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DICTIONARY FILE UPDATES: 4 FEB 2008 HIGHEST RN 1001463-85-9

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on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que stat 112
L3 STR



NODE ATTRIBUTES:
CHARGE IS *+ AT 2
NSPEC IS RC AT 1
NSPEC IS RC AT 3
NSPEC IS RC AT 4
NSPEC IS RC AT 5
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L9 SCR 2043 OR 1918 OR 1847
L11 180878 SEA FILE=REGISTRY SSS FUL L3 NOT L9
L12 91018 SEA FILE=REGISTRY ABB=ON PLU=ON L11 AND NC=2

=> d his nofile

(FILE 'HOME' ENTERED AT 15:32:40 ON 05 FEB 2008)

FILE 'HCAPLUS' ENTERED AT 15:32:50 ON 05 FEB 2008
L1 1 SEA ABB=ON PLU=ON US2006182965/PN
 SEL RN

FILE 'REGISTRY' ENTERED AT 15:33:19 ON 05 FEB 2008
L2 8 SEA ABB=ON PLU=ON (107-64-2/B1 OR 17301-53-0/B1 OR
 25085-53-4/B1 OR 25322-68-3/B1 OR 3401-74-9/B1 OR
 60267-55-2/B1 OR 61837-80-7/B1 OR 777084-11-4/B1)
 D SCA

FILE 'LREGISTRY' ENTERED AT 15:36:58 ON 05 FEB 2008
L3 STR

FILE 'REGISTRY' ENTERED AT 15:38:45 ON 05 FEB 2008
L4 50 SEA SSS SAM L3
L5 SCR 2043
L6 50 SEA SSS SAM L3 NOT L5
L7 SCR 2043 OR 1918
L8 50 SEA SSS SAM L3 NOT L7
L9 SCR 2043 OR 1918 OR 1847
L10 50 SEA SSS SAM L3 NOT L9
L11 180878 SEA SSS FUL L3 NOT L9
L12 91018 SEA ABB=ON PLU=ON L11 AND NC=2
 SAV TEMP L11 HUT149/A
L13 3 SEA ABB=ON PLU=ON L2 AND L12
L14 1 SEA ABB=ON PLU=ON 777084-11-4/RN
 D IDE
L15 270247 SEA ABB=ON PLU=ON ?PHOSPHATE?/CNS
L16 111784 SEA ABB=ON PLU=ON L15 NOT NC<2
L17 3 SEA ABB=ON PLU=ON L2 AND L16
L18 2644 SEA ABB=ON PLU=ON L16 AND K/ELS
L19 1 SEA ABB=ON PLU=ON L2 AND L18
L20 7521 SEA ABB=ON PLU=ON L16 AND NA/ELS
L21 8531 SEA ABB=ON PLU=ON L16 AND ?HYDROXY?/CNS
L22 3 SEA ABB=ON PLU=ON L2 AND L21
L23 3163 SEA ABB=ON PLU=ON L16 AND ?AMMONIUM?/CNS
L24 1 SEA ABB=ON PLU=ON L2 AND L23
 D SCA
L25 19824 SEA ABB=ON PLU=ON L18 OR L20 OR L21 OR L23
L26 3 SEA ABB=ON PLU=ON L2 AND L25

FILE 'HCAPLUS' ENTERED AT 15:55:53 ON 05 FEB 2008
L27 168218 SEA ABB=ON PLU=ON L12
L28 115301 SEA ABB=ON PLU=ON L25
L29 6369 SEA ABB=ON PLU=ON L27 AND L28
L30 QUE ABB=ON PLU=ON FIBER? OR FABRIC# OR FIBRE? OR
 FIBRA? OR TEXTILE# OR YARN# OR THREAD? OR NONWOVEN? OR
 FILAMENT?
L31 3786 SEA ABB=ON PLU=ON L12(L)L30
L32 3076 SEA ABB=ON PLU=ON L25(L)L30
L33 168 SEA ABB=ON PLU=ON L31 AND L32
L34 QUE ABB=ON PLU=ON AGENT? OR COMPOSITION? OR MIXTURE?
 OR ADMIX? OR FORMULAT?
L35 128 SEA ABB=ON PLU=ON L33 AND L34
L36 17327 SEA ABB=ON PLU=ON L12(L)L34
L37 16210 SEA ABB=ON PLU=ON L25(L)L34
L38 74 SEA ABB=ON PLU=ON L35 AND L36
L39 66 SEA ABB=ON PLU=ON L38 AND L37
L40 60 SEA ABB=ON PLU=ON L39 AND (PY<=2004 OR PRY<=2004 OR
 AY<=2004)

L41 41 SEA ABB=ON PLU=ON L40 AND (AGENT?/TI OR COMPOSITION?/TI
OR MIXTURE?/TI OR ADMIX?/TI OR FORMULAT?/TI)

=> fil hcap
FILE 'HCAPLUS' ENTERED AT 16:06:50 ON 05 FEB 2008
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FILE COVERS 1907 - 5 Feb 2008 VOL 148 ISS 6
FILE LAST UPDATED: 4 Feb 2008 (20080204/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d l41 ibib abs hitstr hitind 1-41

L41 ANSWER 1 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:533968 HCAPLUS Full-text
DOCUMENT NUMBER: 145:29908
TITLE: Liquid fabric softening compositions comprising flame retardant
INVENTOR(S): Thoen, Christiaan Arthur Jacques Kamiel; Brown, Jodi Lee; Sivik, Mark Robert; Brown, Donald Ray; Wahl, Errol Hoffman; Ward, Alice Marie; Tee, Johansson Jimmy; Jordan, Glenn Thomas, IV; Santamarina, Vincente; Frankenbach, Gayle Marie
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
SOURCE: Can. Pat. Appl., 59 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CA 2488839	A1	20060602	CA 2004-2488839	200412 02
<--				
PRIORITY APPLN. INFO.: CA 2004-2488839				200412 02
<--				

AB The liquid fabric softening compns. preferably further comprise a fabric softening active. The compns. may comprise a flame retardant, where the flame retardant is a P-containing fabric softener or another phosphorus compound, N compound, halogenated organic compound, or inorg. compound. The compns. comprise about 21% fabric softener active and about 0.5% silicone material. The compns. can be used to treat all types of fabrics to provide improved fabric softening and freshness, while minimizing the risk of flammability associated with cotton-containing fluffier fabrics, such as fleece and terry cloth, when treated with liquid fabric softening compns.

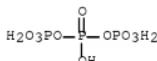
IT 7758-29-4, Sodium tripolyphosphate 10124-31-9,

Ammonium phosphate 888948-72-9 888948-74-1

RL: MOA (Modifier or additive use); USES (Uses)
(liquid fabric softening compns. comprising
P-containing flame retardant or other flame retardant and cationic
fabric actives)

RN 7758-29-4 HCPLUS

CN Triphosphoric acid, sodium salt (1:5) (CA INDEX NAME)



● 5 Na

RN 10124-31-9 HCPLUS

CN Phosphoric acid, ammonium salt (1:?) (CA INDEX NAME)



● x NH₃

RN 888948-72-9 HCPLUS

CN Ethanaminium, N-[2-[(diethoxyphosphinyl)oxy]ethyl]-N-methyl-2-[(9Z)-9-octadecenyl]oxy]-N-[2-[(9Z)-9-octadecenyl]oxy]ethyl-, methyl sulfate (9CI) (CA INDEX NAME)

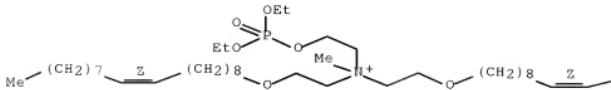
CM 1

CRN 888948-71-8

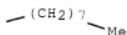
CMF C47 H95 N O6 P

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



CM 2

CRN 21228-90-0
CMF C H3 O4 S

$$\text{Me-O-SO}_3^-$$

RN 888948-74-1 HCAPLUS

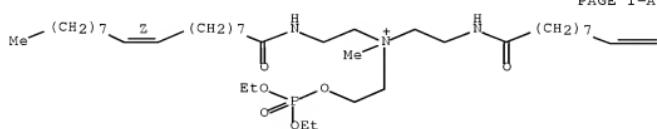
CN Ethanaminium, N-[2-[(diethoxyphosphinyl)oxy]ethyl]-N-methyl-2-[(9Z)-1-oxo-9-octadecenyl]amino-N-[2-[(9Z)-1-oxo-9-octadecenyl]amino]ethyl-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 888948-73-0
CMF C47 H93 N3 06 P

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



CM 2

CRN 21228-90-0
CMF C H3 O4 S



CC 46-5 (Surface Active Agents and Detergents)
 IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (dimethyltallow alkyl, chlorides, fabric softening actives;
 liquid fabric softening compns. comprising P-containing flame
 retardant or other flame retardant and cationic fabric actives)

IT Lecithins
 RL: MOA (Modifier or additive use); USES (Uses)
 (flame retardant, Ultrlec P Yelkin SS; liquid fabric softening
 compns. comprising P-containing flame retardant or other
 flame retardant and cationic fabric actives)

IT Fabric softeners
 Fireproofing agents
 (liquid fabric softening compns. comprising P-containing
 flame retardant or other flame retardant and cationic fabric
 actives)

IT Phosphorus acids
 RL: MOA (Modifier or additive use); USES (Uses)
 (liquid fabric softening compns. comprising P-containing
 flame retardant or other flame retardant and cationic fabric
 actives)

IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (phosphates, fabric softening actives; liquid fabric softening
 compns. comprising P-containing flame retardant or other
 flame retardant and cationic fabric actives)

IT 108-78-1, Melamine, uses 1309-42-8, Magnesium hydroxide
 1314-60-9, Antimony pentoxide 1327-33-9, Antimony oxide
 1344-28-1, Aluminum oxide, uses 2781-11-5, Diethyl
 N,N-bis(2-hydroxyethyl)aminomethylphosphonate 7664-38-2,
 Phosphoric acid, uses 7758-29-4, Sodium tripolyphosphate
 7773-06-0, Ammonium sulfamate 7782-91-4, Molybdic acid
 9005-25-8D, Starch, phosphorylated, cationic 10124-31-9,
 Ammonium phosphate 12027-96-2, Zinc hydroxy stannate 12411-64-2,
 Tetraammonium octamolybdate 13269-89-1 13598-36-2, Phosphonic
 acid 13701-59-2, Barium metaborate 21645-51-2, Alumina
 trihydrate, uses 22042-96-2, Dequest 2066 37971-36-1, Dequest
 7000 39467-17-9, Zinc stannate 41583-09-9, Melamine phosphate
 61583-60-6, Zinc molybdate 777943-21-2, Arlasilk Phospholipid PLN
 847185-86-8, Arlasilk Phospholipid PTC 888503-74-0, Arlatone MAP
 230T60 8889448-72-9 889918-74-1 889445-70-9,
 Arlasilk Phospholipid PTS 889445-71-0, Arlasilk Phospholipid EFA
 RL: MOA (Modifier or additive use); USES (Uses)
 (liquid fabric softening compns. comprising
 P-containing flame retardant or other flame retardant and cationic
 fabric actives)

L41 ANSWER 2 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:402363 HCPLUS Full-text
 DOCUMENT NUMBER: 144:434427
 TITLE: Processing agents and methods for
 treating synthetic fibers
 INVENTOR(S): Yamakita, Hiroshi; Toda, Atsushi
 PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1652996	A2	20060503	EP 2005-256560	200510 21
EP 1652996	A3	20070808		<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
JP 2006152526	A	20060615	JP 2005-239278	200508 22
KR 2006054061	A	20060522	KR 2005-97911	200510 18
US 2006093747	A1	20060504	US 2005-261209	200510 27
CN 1769581	A	20060510	CN 2005-10120110	200511 02
PRIORITY APPLN. INFO.:			JP 2004-319141	A
				200411 02
			JP 2005-239278	A
				200508 22

AB A processing agent for synthetic fibers contains four specified kinds of component (Components A, B, C and D), each in a specified amount, and also in a specified total amount, so as to have the improved characteristics of preventing the occurrence of fluffs, yarn breaking and uneven dyeing when applied to synthetic fibers in a specified amount. Component A is ≥1 alkylene oxide addition compound simultaneously satisfying Conditions 1, 2 and 3, wherein Condition 1 is the condition of having a number average mol. weight of 1,000-12,000 and being obtainable by adding alkylene oxide(s) with 2-4 carbon atoms to monohydric-trihydric aliphatic alc.(s) with 1-24 carbon atoms, Condition 2 is the condition of having polyoxyalkylene groups comprising oxyalkylene units of which 10-80% are oxyethylene units, and Condition 3 is

the condition of containing 35% or more of alkyleneoxide addition compds. obtainable by adding ethylene oxide and propylene oxide 45 to monohydric aliphatic alc.(s) with 6-10 carbon atoms. Component B is ≥ 1 alkyleneoxide addition compound with a number average mol. weight of 140-800 and obtainable by adding ethylene oxide or both ethylene oxide and propylene oxide to monohydric aliphatic alc.(s) with 6-10 carbon atoms, having polyoxyalkylene groups of which more than 30 weight % of all constituent oxyalkylene units are oxyethylene units. Component C is ≥ 1 ionic surfactant. Component D is ≥ 1 nonionic surfactant selected ether type non-ionic surfactants, ester type non-ionic surfactants, non-ionic surfactants with a number average mol. weight of 700-10000 and having ethylene oxide and/or propylene oxide added to animal oils and/or vegetable oils; aminoether type non-ionic surfactants, etc.

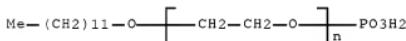
IT 65614-55-3 745032-47-7, Tributylmethylammonium

diethyl phosphate 385266-39-7, Potassium tetracosyl phosphate

RL: TEM (Technical or engineered material use); USES (Uses)
(processing agents and methods for treating synthetic fibers)

RN 65014-55-3 HCPLUS

CN Poly(oxy-1,2-ethanediyl), α -phosphono- ω -(dodecyloxy)-,
potassium salt (1:?) (CA INDEX NAME)



● x K

RN 745032-47-7 HCPLUS

CN 1-Butanaminium, N,N-dibutyl-N-methyl-, diethyl phosphate (1:1) (9CI)
(CA INDEX NAME)

CM 1

CRN 480442-47-3

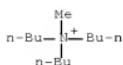
CMF C4 H10 O4 P



CM 2

CRN 29814-63-9

CMF C13 H30 N



RN 885266-39-7 HCPLUS
 CN 1-Tetracosanol, phosphate, potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H3 O4 P



CM 2

CRN 506-51-4
 CMF C24 H50 O

HO—(CH₂)₂₃—Me

CC 40-7 (Textiles and Fibers)
 ST polyoxyalkylene processing agent synthetic fiber
 IT Castor oil
 RL: TEM (Technical or engineered material use); USES (Uses)
 (hydrogenated, ethoxylated; processing agents and
 methods for treating synthetic fibers)
 IT Surfactants
 (ionic; processing agents and methods for treating
 synthetic fibers)
 IT Surfactants
 (nonionic; processing agents and methods for treating
 synthetic fibers)
 IT Lubricants
 (processsing agents and methods for treating synthetic
 fibers)
 IT Polyester fibers, uses
 Polyesters, uses
 Polyoxyalkylenes, uses
 Synthetic polymeric fibers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (processsing agents and methods for treating synthetic
 fibers)
 IT 25038-59-9, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fiber; processing agents and methods for treating

synthetic fibers)

IT 143-18-0 1338-43-8, Sorbitan monooleate 1643-20-5,
 Dimethyldodecylamine oxide 9002-92-0, Polyoxyethylene lauryl ether
 9003-11-6, Ethylene oxide-propylene oxide copolymer 9003-11-6D,
 Ethylene oxide-propylene oxide copolymer, monoalkyl ethers
 9004-96-0 9038-43-1, Ethylene oxide-propylene oxide copolymer
 monooctadecyl ether 9038-95-3, Ethylene oxide-propylene oxide
 copolymer butyl ether 26468-86-0, Polyethylene glycol 2-ethylhexyl
 ether 26912-60-7, Ethylene oxide homopolymer 3,5,5-trimethylhexyl
 ether 31017-83-1, N,N-Bis(polyoxyethylene)dodecanamine
 31587-78-7, N,N-Bis(polyoxyethylene)dodecanamide 31726-34-8,
 Polyethylene glycol hexyl ether 37251-67-5, Ethylene
 oxide-propylene oxide copolymer monodecyl ether 37311-00-5,
 Ethylene oxide-propylene oxide copolymer dodecyl ether 52232-09-4,
 Ethylene oxide-propylene oxide copolymer monoethyl ether
 52624-57-4, Ethylene oxide-propylene oxide copolymer ether with
 trimethylolpropane 64366-70-7, Ethylene oxide-propylene oxide
 copolymer 2-ethylhexyl ether 65014-55-3 70679-32-2,
 Potassium decanesulfonate 651026-42-5, Ethylene oxide homopolymer
 2-methyoctyl ether 745032-47-7, Tributylmethyammonium
 diethyl phosphate 870530-81-7, Ethylene oxide-propylene oxide
 copolymer monoisohexadecyl ether 885266-38-6, Butylene
 oxide-ethylene oxide-propylene oxide copolymer 2-ethylhexyl ether
 885266-39-7, Potassium tetracosyl phosphate 885315-39-9
 RL: TEM (Technical or engineered material use); USES (Uses)
 (processing agents and methods for treating synthetic
 fibers)

L41 ANSWER 3 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:363570 HCPLUS Full-text
 DOCUMENT NUMBER: 144:414200
 TITLE: Finishing composition for ionized
 performance fabric
 INVENTOR(S): Short, Dan C.; Strahl, Wolfgang A.; Davis,
 Ellis, Jr.; Turner, John D.
 PATENT ASSIGNEE(S): Short, Dan, C., USA; Strahl, Wolfgang, A.;
 Turner, John, D.
 SOURCE: PCT Int. Appl., 24 pp.
 CODEN: PIXX2D
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006042055	A2	20060420	WO 2005-US36060	200510 07

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WO 2006042055 A3 20061012
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,
 CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
 GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JE, KE, KG, KM,
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
 MN, MM, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,

IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
 TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

CA 2583356 A1 20060420 CA 2005-2583356

200510
07

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US 2006234903 A1 20061019 US 2005-246536

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07

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EP 1799802 A2 20070627 EP 2005-803758

200510
07

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R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
 IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK,
 TR, AL, BA, HR, MK, YU

PRIORITY APPLN. INFO.:

US 2004-616999P

P
200410
08

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WO 2005-US36060

W
200510
07

AB A composition for treating fabric includes about 0.1 to about 10.0 % crosslinking agent, about 0.1 to about 5.0 % polyolefin, about 0.1 to about 0.5 % wetting agent, about 0.0 to about 8.0 % amino functional silicone, about 0.0 to about 6.0 % ionizing agent, about 0.0 to about 2.0 % catalyst and any remainder as a carrier. The composition has a pH of between about 2.0 to about 4.0 and at least some aminofunctional silicone and/or ionizing agent is provided.

IT 7681-53-0, Sodium hypophosphite

RL: TEM (Technical or engineered material use); USES (Uses)
 (Crosslink WC 205; finishing composition for ionized performance fabric)

RN 7681-53-0 HCPLUS

CN Phosphinic acid, sodium salt (1:1) (CA INDEX NAME)

==PH2-OH

● Na

IT 7601-54-9, Sodium phosphate

RL: CAT (Catalyst use); USES (Uses)
 (finishing composition for ionized performance fabric)

RN 7601-54-9 HCPLUS

CN Phosphoric acid, sodium salt (1:3) (CA INDEX NAME)



●3 Na

IT 7632-05-5 7722-76-1, Ammonium dihydrogen phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing composition for ionized performance
 fabric)
 RN 7632-05-5 HCAPLUS
 CN Phosphoric acid, sodium salt (1:?) (CA INDEX NAME)



●x Na

RN 7722-76-1 HCAPLUS
 CN Phosphoric acid, ammonium salt (1:1) (CA INDEX NAME)



● NH₃

IT 67-48-1, Choline chloride
 RL: TEM (Technical or engineered material use); USES (Uses)
 (ionizing agent; finishing composition for ionized
 performance fabric)
 RN 67-48-1 HCAPLUS
 CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride (1:1) (CA INDEX
 NAME)



● Cl⁻

CC 40-9 (Textiles and Fibers)
 ST textile finishing compn amine contg silicone

IT Polysiloxanes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (amine group-containing; finishing composition for ionized performance fabric)

IT Textiles
 (cellulose-synthetic fiber; finishing composition for ionized performance fabric)

IT Textiles
 (cellulosic; finishing composition for ionized performance fabric)

IT Textiles
 (cotton; finishing composition for ionized performance fabric)

IT Acrylic fibers, uses
 Polyamide fibers, uses
 Polyester fibers, uses
 Rayon, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabrics; finishing composition for ionized performance fabric)

IT Fabric finishing agents
 (finishing composition for ionized performance fabric)

IT Polyoxyalkylenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing composition for ionized performance fabric)

IT Textiles
 (linen; finishing composition for ionized performance fabric)

IT Polyethers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyester-, block; finishing composition for ionized performance fabric)

IT Polyesters, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyether-, block; finishing composition for ionized performance fabric)

IT 7681-53-0, Sodium hypophosphite
 RL: TEM (Technical or engineered material use); USES (Uses)
 (Crosslink WC 205; finishing composition for ionized performance fabric)

IT 7440-44-0, Activated carbon, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (activated; finishing composition for ionized performance fabric)

IT 77-92-9, Citric acid, uses 1703-58-8, Butanetetracarboxylic acid 26099-09-2, Polymaleic acid
 RL: TEM (Technical or engineered material use); USES (Uses)
 (cross linking agent; finishing composition for ionized performance fabric)

IT 497-19-8, Sodium carbonate, uses 1310-73-2, Sodium hydroxide, uses 7601-54-9, Sodium phosphate 313063-50-2, Catalyst 531
 RL: CAT (Catalyst use); USES (Uses)
 (finishing composition for ionized performance fabric)

IT 3923-79-3, Fixapret NF 5329-14-6D, Sulfamic acid, optional salt 7632-05-5 7664-38-2, Phosphoric acid, uses 7664-41-7,
 Ammonia, uses 7722-75-1, Ammonium dihydrogen phosphate 7773-06-0, Ammonium sulfamate 9002-88-4, Polyethylene 9003-07-0,
 Polypropylene 13770-91-7, Magnesium sulfamate 13845-18-6, Sodium sulfamate 25322-68-3D, Polyethylene glycol, copolymers with

polyester 29132-58-9, Maleic acid-acrylic acid copolymer
 349656-81-1, Silfin WHP 507485-67-8, WetAid NRW 507485-68-9,
 Ultrasoft NPE 40 876564-47-5, Permafresh TG 883725-41-5,
 Supercotton 102 883725-44-8, Crosslink RB 105
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing composition for ionized performance
 fabric)
 IT 57-13-6, Urea, uses 107-22-2, Glyoxal 1320-50-9, Dimethylurea
 1854-26-8, Dimethyloldihydroxyethylurea
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fixative; finishing composition for ionized performance
 fabric)
 IT 67-48-1, Choline chloride
 RL: TEM (Technical or engineered material use); USES (Uses)
 (ionizing agent; finishing composition for ionized
 performance fabric)

L41 ANSWER 4 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:1283176 HCPLUS Full-text
 DOCUMENT NUMBER: 1441:23952
 TITLE: Processing agents and spun synthetic
 fibers treated with combination of finishing
 agents
 INVENTOR(S): Yamakita, Hiroshi; Aratani, Satoshi
 PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan
 SOURCE: Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
EP 1602778	A1	20051207	EP 2005-253405	200506 02
				<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
KR 2006049454	A	20060519	KR 2005-44132	200505 25
				<--
US 2005268403	A1	20051208	US 2005-139081	200505 26
				<--
US 7208017	B2	20070424		
JP 2006016744	A	20060119	JP 2005-158262	200505 31
				<--
CN 1704522	A	20051207	CN 2005-10074263	200506 03
				<--
IN 2005DE01446	A	20070824	IN 2005-DE1446	

PRIORITY APPLN. INFO.:

JP 2004-165233

200506

03

<--

A

200406

03

<--

OTHER SOURCE(S): MARPAT 144:23952

AB A processing agent for synthetic fibers contains 4 specified kinds of components (Components A, B, C and D) each to have improved characteristics of preventing occurrence of fluffs, yard breaking and uneven dyeing when applied to synthetic fibers at a specified rate.

IT 107008-33-3, Trimethyloctylammonium octyl phosphate

RL: TEM (Technical or engineered material use); USES (Uses)
 (aqueous combined finishing agent solution for synthetic
 fibers having fewer yarn breaks, fluffs, and
 uneven dyeing)

RN 107008-33-3 HCPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX
 NAME)

CM 1

CRN 45102-33-8

CMF C8 H18 O4 P



CM 2

CRN 15461-38-8

CMF C11 H26 N



IC ICM D06M013-17

ICS D06M013-292; D06M015-647; D06M013-252; D06M015-53; D06M013-165;
 C10M141-10

CC 40-9 (Textiles and Fibers)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (alkoxylated; aqueous combined finishing agent solution for
 synthetic fibers having fewer yarn breaks, fluffs, and uneven
 dyeing)

IT Antioxidants

Antistatic agents

Emulsifying agents

Fabric finishing agents

Lubricants

Surfactants

(aqueous combined finishing agent solution for synthetic
 fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Polyester fibers, uses

Polyesters, uses
 RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Castor oil
 RL: TEM (Technical or engineered material use); USES (Uses)
 (hydrogenated, ethoxylated; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Polysiloxanes, uses
 RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
 (polyoxyalkylene-; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Polyoxyalkylenes, uses
 RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
 (polysiloxane-; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT 119-47-1 123-28-4, Dilauryl 3,3'-thiodipropionate 136-26-5
 143-18-0 1338-39-2, Sorbitan monolaurate 3164-55-4, Octyl diphenyl phosphite 9003-11-6 9004-98-2 9038-95-3, Ethylene oxide-propylene oxide copolymer monobutyl ether 9082-00-2, Ethylene oxide-propylene oxide copolymer glycerin ether 20292-09-5 37311-00-5, Ethylene oxide-propylene oxide copolymer monododecyl ether 37311-01-6, Ethylene oxide-propylene oxide copolymer monohexadecyl ether 37311-02-7, Ethylene oxide-propylene oxide copolymer monoctyl ether 37311-04-9, Ethylene oxide-propylene oxide copolymer monotetradecyl ether 40601-76-1 52624-57-4, Trimethylolpropane ether with ethylene oxide-propylene oxide copolymer 70679-32-2, Potassium decanesulfonate 70844-97-2 85502-67-6 107008-33-3, Trimethyloctylammonium octyl phosphate 202075-06-7, Ethylene oxide-propylene oxide copolymer methyl octadecyl ether 870530-81-7, Ethylene oxide-propylene oxide copolymer monoisooctadecyl ether
 RL: TEM (Technical or engineered material use); USES (Uses)
 (aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT 25038-59-9, uses
 RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (fiber; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L41 ANSWER 5 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1125722 HCAPLUS Full-text
 DOCUMENT NUMBER: 142:76090
 TITLE: Organic phosphate and fatty acid lithium salt-containing process agent and method for synthetic fiber

INVENTOR(S): Inagaki, Kuniyasu; Minafuji, Makoto
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004360082	A	20041224	JP 2003-156215	200306 02 --
PRIORITY APPLN. INFO.: JP 2003-156215				200306 02 --

OTHER SOURCE(S): MARPAT 142:76090
 GI



AB Title treatment agent for synthetic fibers, such as PET polyester fibers, is composed of an organic phosphate (I), wherein R1 = C12-22 hydrocarbon or R2-O-X- (R2 = C12-22 hydrocarbon, X = 1-5 oxyethylene and/or oxypropylene group), M⁺ = H⁺, Li⁺ or K⁺, r = 1 or 2, and q + r = 3, and, optionally, a polyoxyalkylene based anionic surfactant. Thus, 70% potassium stearyl phosphate prepared from stearyl alc., phosphoric anhydride, and KOH, 25% anionic surfactant composed of polyoxyethylene lauryl ether and polyoxyethylene mono- α -nonylphenol ether, and 5% mixt. comprising paraffin wax and trimethyloctylammonium lauryl phosphate were mixed to obtain a treatment agent for polyester fibers.

IT 39464-65-8DP, mixed lithium and potassium salts
 39164-66-9DP, mixed lithium and potassium salts
 39464-69-2DP, mixed lithium and potassium salts
 50643-20-4DP, mixed lithium and potassium salts
 62362-49-6DP, mixed lithium and potassium salts
 60987-29-1P, Potassium stearyl phosphate
 211555-19-0P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)

RN 39464-65-8 HCPLUS

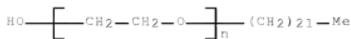
CN Poly(oxy-1,2-ethanediyl), α -docosyl- α -hydroxy-, phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 26636-40-8

CMF (C2 H4 O)n C22 H46 O

CCI PMS

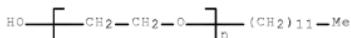


CM 2

CRN 7664-38-2
CMF H₃ O₄ P

RN 39464-66-9 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -dodecyl- ω -hydroxy-,
 phosphate (CA INDEX NAME)

CM 1

CRN 9002-92-0
 CMF (C₂ H₄ O)_n C₁₂ H₂₆ O
 CCI PMS

CM 2

CRN 7664-38-2
CMF H₃ O₄ P

RN 39464-69-2 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -(9Z)-9-octadecen-1-yl- ω -
 hydroxy-, phosphate (CA INDEX NAME)

CM 1

CRN 9004-98-2

CMF (C₂ H₄ O)_n C₁₈ H₃₆ O
 CCI PMS



CM 2

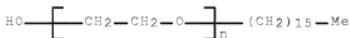
CRN 7664-38-2
 CMF H₃ O₄ P



RN 50643-20-4 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -hexadecyl- ω -hydroxy-,
 phosphate (CA INDEX NAME)

CM 1

CRN 9004-95-9
 CMF (C₂ H₄ O)_n C₁₆ H₃₄ O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H₃ O₄ P



RN 62362-49-6 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -octadecyl- ω -hydroxy-,
 phosphate (CA INDEX NAME)

CM 1

CRN 9005-00-9
 CMF (C₂H₄O)_n C₁₈ H₃₈ O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H₃ O₄ P



RN 68987-29-1 HCPLUS
 CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H₃ O₄ P

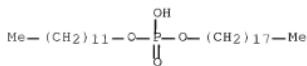


CM 2

CRN 112-92-5
 CMF C₁₈ H₃₈ O



RN 211555-19-0 HCPLUS
 CN Phosphoric acid, monododecyl monooctadecyl ester, potassium salt (9CI) (CA INDEX NAME)



● K

IT 52215-22-2, Potassium octylphosphate 514857-53-5
 RL: TEM (Technical or engineered material use); USES (Uses)
 (organic phosphate and fatty acid lithium salt-containing process
 agent for polyester fibers)
 RN 52215-22-2 HCPLUS
 CN Phosphoric acid, monooctyl ester, potassium salt (1:?) (CA INDEX
 NAME)



● X K

RN 514857-53-5 HCPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, dodecyl phosphate (1:1) (9CI) (CA
 INDEX NAME)
 CM 1
 CRN 82638-50-4
 CMF C12 H26 O4 P



CM 2

CRN 15461-38-8
 CMF C11 H26 N



IC ICM D06M013-292
 ICS D06M101-32
 CC 40-7 (Textiles and Fibers)
 IT Surfactants
 (anionic; organic phosphate and fatty acid lithium salt-containing
 process agent for polyester fibers)
 IT Polyester fibers, processes
 Polyesters, processes
 RL: PEP (Physical, engineering or chemical process); PYP (Physical

process); PROC (Process)
 (organic phosphate and fatty acid lithium salt-containing process
 agent for polyester fibers)

IT Paraffin waxes, uses
 Phosphates, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (organic phosphate and fatty acid lithium salt-containing process
 agent for polyester fibers)

IT 31900-57-9, Polydimethylsiloxane
 RL: TEM (Technical or engineered material use); USES (Uses)
 (assumed monomers; organic phosphate and fatty acid lithium
 salt-containing process agent for polyester fibers)

IT 25038-59-9, PET polymer, processes
 RL: PEP (Physical, engineering or chemical process); PYP (Physical
 process); PROC (Process)
 (fibers; organic phosphate and fatty acid lithium salt-containing
 process agent for polyester fibers)

IT 12751-23-4DP, mixed lithium and potassium salts 39464-65-8DP
 , mixed lithium and potassium salts 39464-66-9DP, mixed
 lithium and potassium salts 39464-69-2DP, mixed lithium
 and potassium salts 62362-49-6DP, mixed lithium and potassium
 salts 68814-13-1DP, mixed lithium and potassium salts
 68987-29-1P, Potassium stearyl phosphate 69029-24-9DP,
 mixed lithium and potassium salts 76930-22-8DP, mixed lithium and
 potassium salts 211555-19-0P 811863-85-1P 812652-28-1P
 812652-30-5P 812652-32-7P 812652-34-9P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered
 material use); PREP (Preparation); USES (Uses)
 (organic phosphate and fatty acid lithium salt-containing process
 agent for polyester fibers)

IT 112-92-5, Stearyl alcohol 1314-56-3, Phosphoric anhydride,
 reactions
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (organic phosphate and fatty acid lithium salt-containing process
 agent for polyester fibers)

IT 9002-92-0, Polyoxyethylene monolauryl ether 9004-81-3,
 Polyoxyethylene laurate 9004-96-0, Polyoxyethylene oleate
 9005-00-9, Polyoxyethylene stearyl ether 9016-00-6,
 Polydimethylsiloxane 9016-45-9, Polyoxyethylene
 mono- α -nonylphenol ether 22413-03-2, Behenyl stearate
 25190-01-6 37311-00-5, Ethylene oxide-propylene oxide copolymer,
 monolauryl ether 52215-22-2, Potassium octylphosphate
 514857-53-5
 RL: TEM (Technical or engineered material use); USES (Uses)
 (organic phosphate and fatty acid lithium salt-containing process
 agent for polyester fibers)

L41 ANSWER 6 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:872867 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:351406
 TITLE: Quaternary ammonium salt and
 phosphate-containing water permeability
 imparting agent and water permeable
 fibers prepared thereby
 INVENTOR(S): Kitaguchi, Hidetoshi; Fujimoto, Yoshiharu;
 Komeda, Haruhiko; Kita, Setsuo; Nakamura,
 Yoshishige
 PATENT ASSIGNEE(S): Matsumoto Yushi-Seiyaku Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 20 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004090221	A1	20041021	WO 2004-JP4498	200403 30
			<--	
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 112004000559	T5	20060302	DE 2004-112004000559	200403 30
			<--	
CN 1771364	A	20060510	CN 2004-80009404	200403 30
			<--	
US 2006182965	A1	20060817	US 2005-551149	200509 29
			<--	
PRIORITY APPLN. INFO.:			JP 2003-130895	A
				200304 01
			<--	
			WO 2004-JP4498	W
				200403 30
			<--	

OTHER SOURCE(S): MARPAT 141:351406

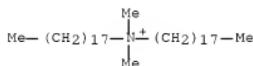
AB Water permeability imparting agent for nonwoven fabrics and hydrophobic synthetic fibers, such as polyolefin fibers, comprises quaternary ammonium salts and phosphates, and, optionally, polyoxylakylene denatured silicones, and water permeable fibers or fiber products comprising water permeability imparting agent in an amount of 0.1-2.0 weight% are also provided. Thus, dilauryldimethyl ammonium chloride 40 and polyoxyethylene lauryl ether phosphate diethanolammonium salt 60 weight% were mixed to obtain a water permeability imparting agent for hydrophobic polypropylene fibers.

IT 107-64-2, Distearyldimethyl ammonium chloride
 3461-74-9, Dilauryldimethyl ammonium chloride
 17301-53-0, Behenyltrimethyl ammonium chloride
 60267-55-2, Polyoxyethylene cetyl ether phosphate potassium salt 61331-80-7 77584-11-4, Polyoxyethylene decyl ether phosphate diethanolammonium salt

RL: TEM (Technical or engineered material use); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics
 and hydrophobic synthetic fibers)

RN 107-64-2 HCPLUS

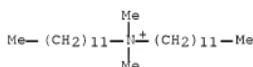
CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA
 INDEX NAME)



● Cl⁻

RN 3401-74-9 HCPLUS

CN 1-Dodecanaminium, N-dodecyl-N,N-dimethyl-, chloride (1:1) (CA INDEX
 NAME)



● Cl⁻

RN 17301-53-0 HCPLUS

CN 1-Docosanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

RN 60267-55-2 HCPLUS

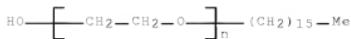
CN Poly(oxy-1,2-ethanediyl), α -hexadecyl- ω -hydroxy-,
 phosphate, potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 9004-95-9

CMF (C₂H₄O)_n C₁₆H₃₄O

CCI PMS



CM 2

CRN 7664-38-2
CMF H₃ O₄ P

RN 61837-80-7 HCPLUS
 CN Ethanol, 2,2'-iminobis-, compd. with α -dodecyl- ω -hydroxypoly(oxy-1,2-ethanediyl) phosphate (CA INDEX NAME)

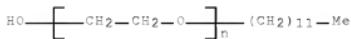
CM 1

CRN 111-42-2
CMF C₄ H₁₁ N O₂

CM 2

CRN 39464-66-9
CMF (C₂ H₄ O)_n C₁₂ H₂₆ O . x H₃ O₄ P

CM 3

CRN 9002-92-0
CMF (C₂ H₄ O)_n C₁₂ H₂₆ O
CCI PMS

CM 4

CRN 7664-38-2
CMF H₃ O₄ P



RN 777084-11-4 HCAPLUS

CN Ethanol, 2,2'-iminobis-, compd. with α -decyl- ω -hydroxypoly(oxy-1,2-ethanediyl) phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 111-42-2

CMF C₄ H₁₁ N O₂



CM 2

CRN 52019-36-0

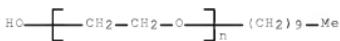
CMF (C₂ H₄ O)_n C₁₀ H₂₂ O . x H₃ O₄ P

CM 3

CRN 26183-52-8

CMF (C₂ H₄ O)_n C₁₀ H₂₂ O

CCI PMS



CM 4

CRN 7664-38-2

CMF H₃ O₄ P



IC ICM D06M013-463

CC 40-10 (Textiles and Fibers)

ST dilauryldimethyl ammonium chloride water permeability imparting agent polyolefin fiber; polyoxyethylene lauryl ether phosphate diethanolammonium water permeability imparting agent

IT Polysiloxanes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyoxyalkylene-, graft; quaternary ammonium salt and
 phosphate-containing water permeability imparting agent for
 nonwoven fabrics and hydrophobic synthetic fibers)

IT Polyoxyalkylenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polysiloxane-, graft; quaternary ammonium salt and
 phosphate-containing water permeability imparting agent for
 nonwoven fabrics and hydrophobic synthetic fibers)

IT Nonwoven fabrics
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)

IT Polyolefin fibers
 Polypropene fibers, processes
 RL: PEP (Physical, engineering or chemical process); PYP (Physical
 process); PROC (Process)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)

IT Phosphates, uses
 Polyoxyalkylenes, uses
 Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)

IT 25085-53-4, Isotactic polypropylene
 RL: PEP (Physical, engineering or chemical process); PYP (Physical
 process); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)

IT 107-64-2, Distearylidimethyl ammonium chloride
 3401-74-9, Dilaurylidimethyl ammonium chloride
 17301-53-0, Behenyltrimethyl ammonium chloride
 25222-68-3D, polysiloxane grafted 60267-55-2,
 Polyoxyethylene cetyl ether phosphate potassium salt
 61837-30-7 777084-11-4, Polyoxyethylene decyl
 ether phosphate diethanolammonium salt
 RL: TEM (Technical or engineered material use); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics
 and hydrophobic synthetic fibers)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

L41 ANSWER 7 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:722471 HCPLUS Full-text
 DOCUMENT NUMBER: 141:227285
 TITLE: Removal of hard special stains from linen
 articles with effective removal of the stains
 from the articles, by cleaning stained fiber
 products with washing water containing
 nitrogen-containing surfactants and bleaching
 agents
 INVENTOR(S): Goda, Keiji

PATENT ASSIGNEE(S): Nikka Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2004244732	A	20040902	JP 2003-32662	200302 10

PRIORITY APPLN. INFO.: JP 2003-32662
200302
10

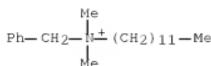
AB The cleaned fiber products are prepared by washing stained fiber products with washing water containing nitrogen-containing surfactants (A) and bleaching agents, or the cleaned fiber products are prepared by the above step using cationic surfactants, amphoteric surfactants, or nonionic surfactants as A nitrogen-containing surfactants, or the cleaned fiber products are prepared by the above step using NaOCl or Na2S2O4 as the bleaching agent, or the cleaned products are prepared by the above step using chemical-adhered laundry materials or diapers with yellow stains as the stained fiber products. A diaper was washed with an aqueous solution containing 1 g/L trimethylstearyl ammonium chloride and 1 g/L NaOCl for 10 min at 80° in an automatic laundry machine to a give cleaned diaper showing stain removal rating (5 complete stain removal, 1 almost no stain removal) 5.

IT 112-03-8, Stearyltrimethylammonium chloride 139-07-1
 , Laurylbenzyldimethylammonium chloride 144527-20-8
 RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (surfactant; hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

RN 112-03-8 HCPLUS
 CN 1-Octadecanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



RN 139-07-1 HCPLUS
 CN Benzenemethanaminium, N-dodecyl-N,N-dimethyl-, chloride (1:1) (CA INDEX NAME)

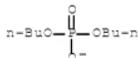


● Cl-

RN 144527-20-8 HCAPLUS
 CN 1-Dodecanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-, dibutyl phosphate (salt) (9CI) (CA INDEX NAME)

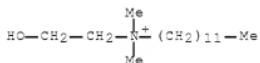
CM 1

CRN 32288-01-0
 CMF C8 H18 O4 P



CM 2

CRN 1190-82-5
 CMF C16 H36 N O



IC ICM D06L003-08
 ICS C11D001-62; C11D001-75; C11D001-90; C11D003-395; C11D017-08
 CC 46-5 (Surface Active Agents and Detergents)
 Section cross-reference(s): 40, 63
 ST linen article laundering stain removal quaternary ammonium compd surfactant; diaper laundering stain removal quaternary ammonium compd surfactant; sodium hypochlorite bleaching agent
 linen article laundering stain removal; amine oxide surfactant linen article laundering stain removal; cationic surfactant linen article laundering stain removal; amphoteric surfactant linen article laundering stain removal; nonionic surfactant linen article laundering stain removal; surfactant linen article laundering stain removal
 IT Surfactants
 (amphoteric; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT Surfactants
 (cationic; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT Detergents
 (cleaning compns.; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT Bleaching agents
 (hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT Surfactants
 (nonionic; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT Diapers
 Laundering
 Stains, coloring materials
 Surfactants
 Textiles
 (removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT Amine oxides
 Quaternary ammonium compounds, uses
 RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT 7681-52-9, Sodium hypochlorite 7722-84-1, Hydrogen peroxide, uses 7775-14-6, Sodium hydrosulfite 15630-89-4, Sodium percarbonate
 RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (bleaching agent; hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT 112-03-9, Stearyltrimethylammonium chloride 139-07-1
 , Laurylbenzylidimethylammonium chloride 820-66-6,
 Octadecylidimethylbetaine 144527-20-8
 RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (surfactant; hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

IT 683-10-3, Dodecyldimethylbetaine 1643-20-5, Dodecyldimethylamine oxide 3546-96-1 10471-50-8 137817-87-9
 RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (surfactant; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

L41 ANSWER 8 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:159349 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 140:204789
 TITLE: Keratin fiber F layer damage-repairing agents and hair conditioners containing them
 INVENTOR(S): Ito, Taketoshi; Aono, Megumi; Yokomaku, Atsushi;
 Nishida, Yuichi
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004059559	A	20040226	JP 2002-255810	200207 30
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PRIORITY APPLN. INFO.:		JP 2002-255810 200207 30		
<--				

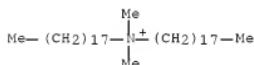
AB Hair conditioners contain keratin fiber F layer damage-repairing agents containing components (A) having phenolic OH and/or sugar residues and octanol/water partition coefficient ($\log P$) <0 and components (B) having C ≥ 4 alkyl chains and/or silicone chains (number of Si atoms ≥ 4) and $\log P \geq 0.01$ at A:B molar ratios of 10:1 to 1:20. A composition containing diglucosylgallic acid 0.5, Arquad T-800 (stearyltrimethylammonium chloride; $\log P > 0.01$) 1, EtOH 20, and H₂O to 100 weight% effectively repaired human hair damaged by bleaching.

IT 107-64-2, Distearyldimethylammonium chloride
 112-03-8, Stearyltrimethylammonium chloride

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

RN 107-64-2 HCAPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)



● cl-

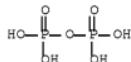
RN 112-03-8 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)

Me₃N—(CH₂)₁₇—Me

● Cl⁻

IT 7722-83-5, Sodium pyrophosphate
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (sequestering agent; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
 RN 7722-88-5 HCPLUS
 CN Diphosphoric acid, sodium salt (1:4) (CA INDEX NAME)



● 4 Na

IC ICM A61K007-06
 ICS A61K007-11
 CC 62-3 (Essential Oils and Cosmetics)
 IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Me; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
 IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 ((aminoethyl)aminopropyl hydroxy, di-Me, SM 8704C; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
 IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (amino-containing, FZ 4672; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
 IT Hair preparations
 (conditioners; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
 IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (di-Me, hydroxyalkyl Me, ethoxylated, KF 6011; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
 IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (di-Me, polyoxyethylene-polyoxypropylene-, KF 6012; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
 IT Human
 Sequestering agents

(hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Carbohydrates, biological studies
Keratins
Phenols, biological studies
Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Polyoxalkylenes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydrogenated castor oil derivs.; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Castor oil
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydrogenated, ethoxylated; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyether-, KF 6004; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyoxalkylene; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Polyoxalkylenes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polysiloxane; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Surfactants
(silicones; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Polyethers, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(siloxane-, KF 6004; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(trimethyltallow alkylammonium chlorides, Arquad T 800; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT 56-86-0D, L-Glutamic acid, N-coco, biological studies
107-64-2, Distearylidimethylammonium chloride
112-03-8, Stearyltrimethylammonium chloride 121-79-9,
Propyl gallate 1323-39-3, Propylene glycol monostearate
1643-20-5, Lauryldimethylamine oxide 9002-92-0, Polyoxyethylene lauryl ether 25322-68-3D, Polyethylene glycol, hydrogenated castor oil derivs. 31566-31-1, Glycerin monostearate 61710-63-2, Polyoxypropylene diglyceryl ether 71185-87-0, Hexaglyceryl tristearate 79777-30-3, Decaglycerin monostearate 95461-65-7, Hexaglyceryl monostearate 102033-55-6, Decaglyceryl diisostearate 261510-23-0 307943-21-1 474111-84-7
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT 64-02-8, Tetrasodium edetate 7722-88-5, Sodium pyrophosphate
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (sequestering agent; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

L41 ANSWER 9 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:971702 HCPLUS Full-text
 DOCUMENT NUMBER: 140:17759
 TITLE: Fabric detergent compositions containing lubricant oil leading to anti-wrinkle, softening and ease of ironing behavior for fabrics
 INVENTOR(S): Baines, Fiona Louise; Finch, Timothy David; Peckham, Emily Jane; Roth, Stephane Patrick
 PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 8 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003228993	A1	20031211	US 2003-457232	200306 09
US 7012059	B2	20060314		<--
CA 2488245	A1	20031218	CA 2003-2488245	200304 25
WO 2003104366	A1	20031218	WO 2003-EP4409	200304 25
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				<--
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				<--
AU 2003232213	A1	20031222	AU 2003-232213	200304 25
EP 1511830	A1	20050309	EP 2003-756987	200304 25

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EP 1511830	B1	20060816	
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK		
BR 2003011652	A	20050315	BR 2003-11652
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CN 1659262	A	20050824	CN 2003-813298
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AT 336563	T	20060915	AT 2003-756987
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ES 2268416	T3	20070316	ES 2003-756987
			200304 25
			<--
ZA 2004009855	A	20060726	ZA 2004-9855
			200412 06
			<--
IN 2004MN00711	A	20051118	IN 2004-MN711
			200412 09
			<--
US 2006052275	A1	20060309	US 2005-262406
			200510 28
			<--
PRIORITY APPLN. INFO.:		GB 2002-13263	A
			200206 10
			<--
		WO 2003-EP4409	W
			200304 25
			<--
		US 2003-457232	A1
			200306 09
			<--

AB A liquid detergent formulation comprises (a) an effective amount of a nonionic/cationic surfactant system, and (b) no more than 10% wt of a lubricant oil. The incorporation of relatively low levels of lubricants in a unbuilt or poorly built liquid main-wash product suitable for use in US-type washing conditions gives both a softening and an anti-wrinkle benefit following the wash, and the consequence of lubrication leads to anti-wrinkle, softening and ease of ironing behavior, as well as a reduction in long-term fabric damage.

IT 57-09-0, CTAB

RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)

(cationic surfactant; fabric detergent compn
. containing lubricant oil)

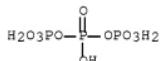
RN 57-09-0 HCAPLUS

CN 1-Hexadecanaminium, N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)

Me3+N-(CH2)15-Me

● Br⁻

IT 7758-29-4, Sodium tripolyphosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (detergent builder; fabric detergent compns.
 containing lubricant oil)
 RN 7758-29-4 HCAPLUS
 CN Triphosphoric acid, sodium salt (1:5) (CA INDEX NAME)



● 5 Na

IC ICM C11D017-00
 INCL 510276000; 510411000; 510417000; 510504000
 CC 46-6 (Surface Active Agents and Detergents)
 ST fabric detergent compn antiwrinkle softening; lubricant
 oil additive fabric detergent compn antiwrinkle softening
 IT Alcohols, uses
 RL: NUU (Other use, unclassified); TEM (Technical or engineered
 material use); USES (Uses)
 (C12-24, ethoxylated, nonionic surfactant; fabric detergent
 compns. containing lubricant oil)
 IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (cationic surfactant; fabric detergent compns. containing
 lubricant oil)
 IT Surfactants
 (cationic; fabric detergent compns. containing lubricant
 oil)
 IT Detergents
 Fabric finishing
 Fabric softeners
 Gossypium hirsutum
 Lubricating oils
 Surfactants
 (fabric detergent compns. containing lubricant oil)
 IT Polyester fibers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabric detergent compns. containing lubricant oil)
 IT Surfactants
 (nonionic; fabric detergent compns. containing lubricant
 oil)
 IT Esters, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (poly-; fabric detergent compns. containing lubricant oil)

IT 57-09-6, CTAB 359010-09-6, Prapagen HY
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (cationic surfactant; fabric detergent compns
 . containing lubricant oil)

IT 7758-29-4, Sodium tripolyphosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (detergent builder; fabric detergent compns.
 containing lubricant oil)

IT 1303-96-4, Borax 287924-66-7, Ryoto ER-290
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (fabric detergent compns. containing lubricant oil)

L41 ANSWER 10 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:470876 HCPLUS Full-text
 DOCUMENT NUMBER: 139:54238
 TITLE: Synthetic fiber treatment agent and
 synthetic fiber treatment method
 INVENTOR(S): Fujimoto, Koji; Yamakita, Hiroshi; Kimura,
 Fumihiro
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 2003171879	A	20030620	JP 2001-374616	200112 07

PRIORITY APPLN. INFO.: JP 3725467 B2 20051214 JP 2001-374616 200112
07

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AB The agent preventing heater contamination and jumping of traveling threads comprises (A) specified polyoxyalkylene ethers 50-92, (B) specified polyoxyalkylene ethers, polyether esters, and/or polyolefin wax 1-45, and (C) quaternary ammonium salts, organic amine oxides, amphoteric compds., fatty acid salts, organic sulfonate, sulfate and/or phosphate salts 1-20%. The treated fiber exhibits frictional voltage -1500 to +1500 V and stationary friction coefficient (SFC) 0.17-0.33. A composition contained ethylene oxide-propylene oxide copolymer Bu ether 85, ethylene oxide-propylene oxide copolymer ethylene glycol ether 5, and trimethyloctylammonium octylphosphate 10%, giving treated fibers with frictional voltage -700 V and SFC 0.25.

IT 60154-62-3, Tetrabutylammonium malonate, uses
 73010-34-5, Polyoxethylene octyl ether phosphate potassium salt 107008-33-3, Trimethyloctylammonium octylphosphate 161756-35-0, Potassium tridecyl phosphate 271247-74-6, Tetrabutylammonium isostearate 547695-11-4 547695-12-5

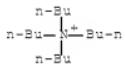
RL: TEM (Technical or engineered material use); USES (Uses)
 (synthetic fiber treatment agent for preventing heater contamination and jumping of traveling

threads)

RN 60154-62-3 HCPLUS
 CN 1-Butanaminium, N,N,N-tributyl-, propanedioate (1:1) (9CI) (CA
 INDEX NAME)

CM 1

CRN 10549-76-5
 CMF C16 H36 N



CM 2

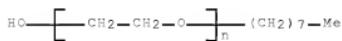
CRN 1000-88-0
 CMF C3 H3 O4



RN 73018-34-5 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -octyl- ω -hydroxy-, phosphate,
 potassium salt (CA INDEX NAME)

CM 1

CRN 27252-75-1
 CMF (C₂ H₄ O)_n C₈ H₁₈ O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H₃ O₄ P



RN 107008-33-3 HCPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 45102-33-8
 CMF C8 H18 O4 P



CM 2

CRN 15461-38-8
 CMF C11 H26 N



RN 161756-35-0 HCPLUS
 CN 1-Tridecanol, phosphate, potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H3 O4 P



CM 2

CRN 112-70-9
 CMF C13 H28 O



RN 271247-74-6 HCPLUS
 CN 1-Butanaminium, N,N,N-tributyl-, isoctadecanoate (9CI) (CA INDEX NAME)

CM 1

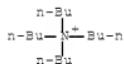
CRN 126288-66-2

CMF C18 H35 O2
CCI IDS



CM 2

CRN 10549-76-5
CMF C16 H36 N



RN 547695-11-4 HCPLUS
CN 1-Dodecanaminium, N,N,N-trimethyl-, 1-tetradecanesulfonate (1:1)
(CA INDEX NAME)

CM 1

CRN 75314-82-8
CMF C14 H29 O3 S



CM 2

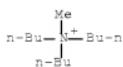
CRN 10182-91-9
CMF C15 H34 N



RN 547695-12-5 HCPLUS
CN 1-Butanaminium, N,N-dibutyl-N-methyl-, salt with
pentadecenylbutanedioic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 29814-63-9
CMF C13 H30 N

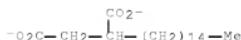


CM 2

CRN 236754-82-8
 CMF C19 H32 O4
 CCI IDS

CM 3

CRN 236754-81-7
 CMF C19 H34 O4



IC ICM D06M015-53
 ICS D06M013-46

CC 40-7 (Textiles and Fibers)

ST synthetic fiber treatment agent heater contamination;
 thread jumping synthetic fiber treatment agent;
 polyoxyalkylene ether fiber treatment agent

IT Amphoteric materials

(amphiphilic; synthetic fiber treatment agent for
 preventing heater contamination and jumping of traveling threads)

IT Polyoxalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (ethers; synthetic fiber treatment agent for preventing
 heater contamination and jumping of traveling threads)

IT Polyoxalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (polyoxalkylene-, block; synthetic fiber treatment agent for
 preventing heater contamination and jumping of traveling threads)

IT Polyesters, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (polyoxalkylene-, block; synthetic fiber treatment agent
 for preventing heater contamination and jumping of traveling
 threads)

IT Sulfonic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (salts, organic; synthetic fiber treatment agent for
 preventing heater contamination and jumping of traveling threads)

IT Fatty acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (salts; synthetic fiber treatment agent for preventing
 heater contamination and jumping of traveling threads)

IT Antistatic agents

(synthetic fiber treatment agent for preventing heater
 contamination and jumping of traveling threads)

IT Amine oxides

Quaternary ammonium compounds, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (synthetic fiber treatment agent for preventing heater
 contamination and jumping of traveling threads)

IT Polyolefins

RL: TEM (Technical or engineered material use); USES (Uses)
 (wax; synthetic fiber treatment agent for preventing
 heater contamination and jumping of traveling threads)

IT 14265-44-2, Phosphate, uses 14808-79-8, Sulfate, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (organic; synthetic fiber treatment agent for preventing
 heater contamination and jumping of traveling threads)IT 151-21-3, Sodium dodecylsulfate, uses 1643-20-5,
 Dimethylaurylamine oxide 2571-88-2, Dimethylstearyl amine oxide
 9002-88-4D, Polyethylene, oxidized 9003-11-6, Ethylene
 oxide-propylene oxide copolymer, ethylene glycol ether (2:1)
 9010-77-9, Acrylic acid-ethylene copolymer 9038-95-3, Ethylene
 oxide-propylene oxide copolymer butyl ether 25155-30-0, Sodium
 dodecylbenzenesulfonate 27637-03-2, Ethylene oxide-THF copolymer
 31587-08-3, Ethylene oxide-propylene oxide-THF copolymer
 52624-57-4, Ethylene oxide-propylene oxide copolymer
 trimethylolpropane ether 60154-62-3, Tetrabutylammonium
 malonate, uses 60472-63-1, Sodium dodecylsuccinate 63653-71-4,
 Ethylene oxide-propylene oxide copolymer monomethyl monobutyl ether
 71788-19-7, Dimethyloctylammonium acetate 73018-34-5,
 Polyoxyethylene octyl ether phosphate potassium salt 90651-27-7
 93920-29-7, Isostearic acid monoethanolamine salt 106392-12-5,
 Ethylene oxide-propylene oxide block copolymer, ether with propylene
 glycol (2:1) 107008-33-3, Trimethyloctylammonium
 octylphosphate 113609-82-8, Ethylene oxide-propylene oxide block
 copolymer dodecyl ether 124229-16-9 161756-35-0,
 Potassium tridecyl phosphate 169226-31-7, Dimethyl
 terephthalate-dimethyl 5-sulfoisophthalate-polyethylene
 glycol-ethylene glycol block copolymer 271247-74-6,
 Tetrabutylammonium isostearate 547695-09-0 547695-10-3
 547695-31-4 547695-12-5 547695-13-6
 547713-25-7, Ethylene oxide-THF copolymer monomethyl ether
 tetradecanoate 547713-26-8, Ethylene oxide-THF copolymer, ether
 with ethylene glycol (2:1), monomethyl ether monoacetate
 547713-27-9, Ethylene oxide-propylene oxide copolymer, ether with
 trimethylolpropane (3:1), triacetate 547713-28-0, Ethylene
 oxide-propylene oxide-THF copolymer succinate (2:1) 547713-29-1,
 Ethylene oxide-propylene oxide-THF block copolymer adipate (2:1)
 547713-30-4, Ethylene oxide-propylene oxide copolymer, ether with
 ethylene glycol (2:1), monomethyl ether monoacetate 547713-31-5,
 Ethylene oxide-propylene oxide copolymer, ether with
 trimethylolpropane (3:1), diacetate 547713-32-6, Ethylene
 oxide-propylene oxide copolymer acetate propionate 547737-53-1
 RL: TEM (Technical or engineered material use); USES (Uses)
 (synthetic fiber treatment agent for
 preventing heater contamination and jumping of traveling
 threads)

L41 ANSWER 11 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:349300 HCAPLUS Full-text

DOCUMENT NUMBER: 138:370238

TITLE: Quaternary ammonium polyoxyethylene phosphate
 salts and antistatic agents and
 antimicrobial agents containing them

INVENTOR(S): Matsui, Yoshinori; Matsui, Takashi

PATENT ASSIGNEE(S): Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2003128682	A	20030508	JP 2001-320051	200110 18

PRIORITY APPLN. INFO.: JP 2001-320051
 <--
 200110
 18

OTHER SOURCE(S): MARPAT 138:370238
 AB (R1R2R3R4N+)3-n[R5(OC2H4)mO]nP(O)(O-)3-n (I; R1, R2 = C8-18 alkyl, alkenyl; R3, R4 = C1-2 alkyl; R5 = C1-18 alkyl; m = 1-20; n = 1, 2), antistatic agents containing I, and antimicrobial agents containing I are claimed. Antistatic and antimicrobial effects of textiles treated with these agents are wash-resistant. NaOH solution was gradually added to MeOH solution of Cation 20LR (dioleyldimethylammonium chloride) to precipitate NaCl. After stirring for 20 min, H2O was added to the reaction mixture to dissolve NaCl and the mixture was separated. The upper layer was treated with Phosphanol RS 710 [(C12-15 alkyl-(OC2H4)60)n]nPO(OH)3-n, wherein n = 1, 2] to give quaternary ammonium salt. Cotton knit was treated with aqueous solution of the quaternary ammonium salt at 70° for 30 min, dried at 90°, and heated at 160° for 1 min. Triboelec. potentials of the knit before and after washing 10 times were 200 and 800 V, resp. Wash-resistance of antibacterial effect was also examined
 IT 522613-19-0P, Dioleyldimethylammonium Phosphanol RS 710 salt
 522613-20-3P, Didecyldimethylammonium Phosphanol RS 610 salt
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)
 RN 522613-19-0 HCAPLUS
 CN 9-Octadecen-1-aminium, N,N-dimethyl-N-(9Z)-9-octadecenyl-, (9Z)-, salt with Phosphanol RS 710 (9CI) (CA INDEX NAME)

CM 1

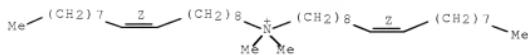
CRN 522609-18-3
 CMF Unspecified
 CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 45315-43-3
 CMF C38 H76 N

Double bond geometry as shown.



RN 522613-20-3 HCPLUS
 CN 1-Decanaminium, N-decyl-N,N-dimethyl-, salt with
 α -tridecyl- ω -hydroxypoly(oxy-1,2-ethanediyl) phosphate
 (9CI) (CA INDEX NAME)

CM 1

CRN 522613-09-8

CMF Unspecified

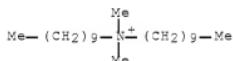
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

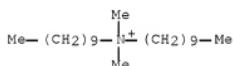
CM 2

CRN 20256-56-8

CMF C22 H48 N



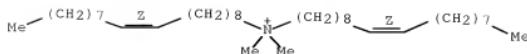
IT 7173-51-5, Bardac 2280 7212-69-3, Cation 2OLR
 9046-01-9, Phosphanol RS 610
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as
 wash-resistant antistatic agents and antimicrobial
 agents for fabrics)
 RN 7173-51-5 HCPLUS
 CN 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride (1:1) (CA INDEX
 NAME)



● Cl⁻

RN 7212-69-3 HCPLUS
 CN 9-Octadecen-1-aminium, N,N-dimethyl-N-(9Z)-9-octadecen-1-yl-,
 chloride (1:1), (9Z)- (CA INDEX NAME)

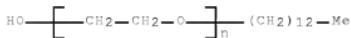
Double bond geometry as shown.



RN 9046-01-9 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -tridecyl- ω -hydroxy-,
 phosphate (CA INDEX NAME)

CM 1

CRN 24938-91-8
 CMF (C2 H4 O)n C13 H28 O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H3 O4 P



IC ICM C07F009-09
 ICS A01N057-12; C07C211-63; C09K003-16
 CC 40-9 (Textiles and Fibers)
 Section cross-reference(s): 5, 29
 IT Antibacterial agents
 (industrial; preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)
 IT Antimicrobial agents
 Antistatic agents
 Fabric finishing agents
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)
 IT Quaternary ammonium compounds, uses
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial

agents for fabrics)

IT 512613-13-0P, Didecyldimethylammonium Phosphanol RS 710 salt
 522613-20-3P, Didecyldimethylammonium Phosphanol RS 610 salt
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)

IT 7173-51-5, Bardac 2280 7212-69-3, Cation 20LR
 9046-01-9, Phosphanol RS 610 157090-89-6, Phosphanol RS 710
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)

L41 ANSWER 12 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:334167 HCPLUS Full-text
 DOCUMENT NUMBER: 138:339652
 TITLE: Agents and methods for treating biodegradable synthetic yarns
 INVENTOR(S): Yamakita, Hiroshi
 PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan
 SOURCE: U.S. Pat. Appl. Publ., 15 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003079297	A1	20030501	US 2002-286107	200210 31
				<--
US 7318842	B2	20080115		200110 31
JP 2003138485	A	20030514	JP 2001-333933	
				<--
JP 3725464	B2	20051214		200708 15
US 2007299237	A1	20071227	US 2007-893264	
				<--
PRIORITY APPLN. INFO.:			JP 2001-333933	A
				200110 31
				<--
AB			US 2002-286107	A1
				200210 31
				<--
AB	An agent and method for treating biodegradable synthetic yarns fabricated from a polymer comprising lactic acid as a main component enables improved lubricity, cohesion, etc. to be so imparted to the biodegradable synthetic yarns that the yarns can be prevented from fuzzing and breaking at every step			

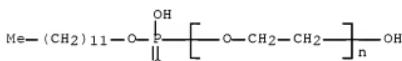
from spinning to down-stream step, especially at a false twisting step and improved in terms of bulkiness, providing yarns having improved mech. properties in a stable manner. The agent of the invention comprises 0.1 to 30% of a polyether, polyester-polyether, or polyolefin wax functional agent, a lubricant and surfactant in the total amount of 70% or greater, and has a friction coefficient in the range of 0.04 to 0.35.

IT 55567-83-4 514857-53-5

RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant; agents and methods for treating
biodegradable synthetic yarns)

RN 55567-83-4 HCPLUS

CN Poly(oxy-1,2-ethanediyl), α -[(dodecyloxy)hydroxypophosphinyl]- ω -hydroxy-, monopotassium salt (9CI) (CA INDEX NAME)



● K

RN 514857-53-5 HCPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, dodecyl phosphate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82638-50-4

CMF C12 H26 O4 P



CM 2

CRN 15461-38-8

CMF C11 H26 N



IC ICM D06M010-00

INCL 008115510

CC 40-7 (Textiles and Fibers)

IT Biodegradable materials

Lubricants

Surfactants

Yarns

(agents and methods for treating biodegradable
synthetic yarns)

IT Polyethers, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (functional agent; agents and methods for
 treating biodegradable synthetic yarns)

IT Castor oil
 RL: TEM (Technical or engineered material use); USES (Uses)
 (hydrogenated, alkoxylated, surfactant; agents and
 methods for treating biodegradable synthetic yarns)

IT Surfactants
 (ionic; agents and methods for treating biodegradable synthetic yarns)

IT Polyester fibers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (lactic acid; agents and methods for treating
 biodegradable synthetic yarns)

IT Hydrocarbon oils
 RL: TEM (Technical or engineered material use); USES (Uses)
 (lubricant; agents and methods for treating
 biodegradable synthetic yarns)

IT Surfactants
 (nonionic; agents and methods for treating
 biodegradable synthetic yarns)

IT Polyethers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyester-, functional agent; agents and
 methods for treating biodegradable synthetic yarns)

IT Polyesters, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (poletether-, functional agent; agents and
 methods for treating biodegradable synthetic yarns)

IT Polyolefins
 RL: TEM (Technical or engineered material use); USES (Uses)
 (wax, functional agent; agents and methods
 for treating biodegradable synthetic yarns)

IT 26023-30-3, Lactic acid homopolymer, srn 26100-51-6, Lactic acid homopolymer
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fiber; agents and methods for treating biodegradable
 synthetic yarns)

IT 9003-11-6, Ethylene oxide-propylene oxide copolymer 27517-34-6,
 Butylene oxide-ethylene oxide copolymer 52624-57-4, Ethylene oxide-propylene oxide copolymer trimethylolpropane ether
 58782-15-3, Dimethyl terephthalate-polyethylene glycol copolymer
 83652-94-2, Butylene oxide-ethylene oxide copolymer monobutyl ether
 169226-31-7, Dimethyl 5-sulfoisophthalate-dimethyl
 terephthalate-ethylene glycol-polyethylene glycol block copolymer
 514857-51-3 514857-52-4
 RL: TEM (Technical or engineered material use); USES (Uses)
 (functional agent; agents and methods for
 treating biodegradable synthetic yarns)

IT 139-44-6, Glycerol tris(12-hydroxystearate) 9038-95-3, Ethylene oxide-propylene oxide copolymer monobutyl ether 22047-49-0, Octyl stearate 37311-00-5, Ethylene oxide-propylene oxide copolymer monododecyl ether
 RL: TEM (Technical or engineered material use); USES (Uses)
 (lubricant; agents and methods for treating
 biodegradable synthetic yarns)

IT 111-40-0, Diethylenetriamine, isostearyl amido-polyoxyalkylene derivs. 683-10-3, Lauryl dimethyl ammonioacetate 1338-43-8, Sorbitan monooleate 1643-20-5, Lauryl dimethylamine oxide 2386-53-0, Sodium laurylsulfonate 9002-92-0, Polyoxyethylene

10/551,149

lauryl ether 25190-01-6 55567-83-4 57195-28-5
 85502-67-6 514857-53-5
 RL: TEM (Technical or engineered material use); USES (Uses)
 (surfactant; agents and methods for treating
 biodegradable synthetic yarns)
 IT 9002-88-4D, Polyethylene, oxidized
 RL: TEM (Technical or engineered material use); USES (Uses)
 (wax, functional agent; agents and methods
 for treating biodegradable synthetic yarns)

L41 ANSWER 13 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:40194 HCAPLUS Full-text
 DOCUMENT NUMBER: 138:91852
 TITLE: Two-agent type liquid bleaching
 compositions
 INVENTOR(S): Ozaki, Kazuyoshi; Maki, Masataka; Ogura,
 Nobuyuki; Muneo, Aoyagi
 PATENT ASSIGNEE(S): Kao Corporation, Japan
 SOURCE: Eur. Pat. Appl., 29 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1275708	A1	20030115	EP 2002-14962	200207 09
EP 1275708	B1	20080116		<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2003020498	A	20030124	JP 2001-20955	200107 10
JP 2003041295	A	20030213	JP 2001-231687	200107 31
JP 2003041296	A	20030213	JP 2001-231688	200107 31
TW 264465	B	20061021	TW 2002-91115173	200207 09
CN 1396252	A	20030212	CN 2002-140923	200207 10
US 2003119697	A1	20030626	US 2002-191065	200207 10
US 6838424	B2	20050104		<--

PRIORITY APPLN. INFO.:

JP 2001-209555	A	200107
		10
<--		
JP 2001-231687	A	200107
		31
<--		
JP 2001-231688	A	200107
		31
<--		

OTHER SOURCE(S): MARPAT 138:91852

AB To provide 2-agent type liquid bleaching compns. having excellent bleaching effect even if a mixing ratio of the 2 agents varies, great usability, and no problem in storage stability, 2-agent type liquid bleaching compns. contain an agent A and an agent B filled and held in sep. chambers of a container and the agent A is made of 0.1-10% H2O2 and H2O provided with certain buffering capacity, and the agent B is made of an alkali agent and H2O provided with certain buffering capacity. Agent A and agent B meet the following conditions, resp. : (I) pH of agent A 1-6.5 at 20° and a volume of aqueous 0.1N NaOH solution required to adjust 1000 mL agent A to pH 7 at 20° is 50-1000 mL and (II) pH of agent B 9-12 at 20° and a volume of aqueous 1N H2SO4 solution required to adjust 1000 mL agent B to pH 7 at 20° is 450-2000 mL. Thus, an alkaline (pH 10.5) bleaching detergent contained 2/1 ratio A/B of hydrogen peroxide 5, citric acid 1.5, polyoxyethylene lauryl ether 2, ethylene oxide-propylene oxide copolymer monolauryl ether 30, LAS 1, sodium salt of polyoxyethylene lauryl ether sulfate 2, alkyl(C12-15)benzenesulfonic acid sodium salt, 0.5, N-tetradecyl-N,N,N-trimethylammonium chloride 1, p-methoxyphenol 0.3, N-lauryl-N,N-dimethyl-N-(2-hydroxy-1-sulfopropyl)ammonium sulfobetaine 1, lauroyloxybenzenesulfonic acid sodium salt 1 parts, and the balance H2O, in combination with KCO3 6, NaHCO3 0.3, above sulfobetaine 4, LAS 3 parts, and the balance H2O, showing 86% bleaching efficiency (reflectance).
IT 4574-04-3 7558-79-4, Disodium phosphate
7601-54-9, Trisodium phosphate

RL: TEM (Technical or engineered material use); USES (Uses)
(two-agent-type liquid bleaching compns. containing
acidic hydrogen peroxide solution combination with alkali solution for
laundering of fabrics)

RN 4574-04-3 HCPLUS

CN 1-Tetradecanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)

Me3+N---(CH2)13---Me

● Cl-

RN 7558-79-4 HCPLUS

CN Phosphoric acid, sodium salt (1:2) (CA INDEX NAME)



●2 Na

RN 7601-54-9 HCAPLUS
 CN Phosphoric acid, sodium salt (1:3) (CA INDEX NAME)



●3 Na

IC ICM C11D003-39
 ICS C11D017-04
 CC 46-5 (Surface Active Agents and Detergents)
 IT Detergents
 (laundry; two-agent-type liquid bleaching compns.
 . containing acidic hydrogen peroxide solution combination with alkali
 solution for laundering of fabrics)
 IT Bleaching agents
 (two-agent-type liquid bleaching compns. containing
 acidic hydrogen peroxide solution combination with alkali solution for
 laundering of fabrics)
 IT 60-00-4, Ethylenediaminetetraacetic acid, uses 77-92-9, Citric
 acid, uses 98-11-3D, Benzenesulfonic acid, C12-15 alkyl derivs.,
 sodium salts, uses 102-71-6, Triethanolamine, uses 111-42-2,
 Diethanolamine, uses 141-43-5, Monoethanolamine, uses 144-55-8,
 Sodium hydrogen carbonate, uses 497-19-8, Sodium carbonate, uses
 584-08-7, Potassium carbonate 657-84-1, p-Toluenesulfonic acid
 sodium salt 1310-58-3, Potassium hydroxide, uses 1310-73-2,
 Sodium hydroxide, uses 1330-43-4, Sodium tetraborate 1643-20-5,
 Lauryldimethylamine oxide 2809-21-4, 1-Hydroxyethylidene-1,1-
 diphosphonic acid 4574-04-3 4615-13-8 7558-79-4
 , Disodium phosphate 7601-54-9, Trisodium phosphate
 7664-38-2, Orthophosphoric acid, uses 7722-84-1, Hydrogen
 peroxide, uses 9002-92-0, Polyoxyethylene lauryl ether
 9003-04-7, Polyacrylic acid sodium salt 9004-82-4, Sodium
 polyoxyethylene lauryl ether sulfate 13197-76-7 37311-00-5,
 Ethylene oxide-propylene oxide copolymer monolauryl ether
 88380-00-1, Lauroyloxybenzenesulfonic acid sodium salt
 RL: TEM (Technical or engineered material use); USES (Uses)
 (two-agent-type liquid bleaching compns. containing
 acidic hydrogen peroxide solution combination with alkali solution for
 laundering of fabrics)
 REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

ACCESSION NUMBER: 2002:423967 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:7443
 TITLE: Water permeable finishing agent and
 fiber treated from the same
 INVENTOR(S): Kita, Setsuo; Yoneda, Akihiko; Nakamura,
 Yoshishige
 PATENT ASSIGNEE(S): Matsumoto Yushi-Seiyaku Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002161474	A	20020604	JP 2000-399354	200011 22

PRIORITY APPLN. INFO.: JP 2000-399354

200011
22

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AB The agent for preparation of paper diaper and sanitary products comprises a polyoxyalkylene fatty acid amide 30-60, an acylated polyamine cationic material 5-20, an alkyl phosphate 10-60, a trialkyl glycine derivative 10-30, and a polyoxyalkylene-modified siloxane 5-20 weight%. Thus, an agent was made from a mixture of ethoxylated behenic acid diethanolamide ester 40, K lauryl phosphate 5, polyoxyethylene lauryl ether sodium phosphate 40, dimethyloctadecylglycine hydroxide 10, and ethoxylated propoxylated siloxane 5%.

IT 7632-05-5D, Sodium phosphate, alkane derivative
 42612-52-2, Polyoxyethylene lauryl ether phosphate sodium
 salt 109400-66-4

RL: TEM (Technical or engineered material use); USES (Uses)
 (water permeable finishing agent and fiber
 treated from the same)

RN 7632-05-5 HCAPLUS

CN Phosphoric acid, sodium salt (1:?) (CA INDEX NAME)



●x Na

RN 42612-52-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -dodecyl- ω -hydroxy-,
 phosphate, sodium salt (CA INDEX NAME)

CM 1

CRN 9002-92-0

CMF (C₂ H₄ O)_n Cl₂ H₂₆ O
CCI PMS

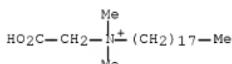


CM 2

CRN 7664-38-2
CMF H₃ O₄ P



RN 108400-66-4 HCPLUS
CN 1-Octadecanaminium, N-(carboxymethyl)-N,N-dimethyl-, hydroxide (1:1)
(CA INDEX NAME)



● OH-

- IC ICM D06M013-332
ICS A61F013-511; A61B013-49; A41B017-00; A61F013-15; C09K003-00;
D06M013-328; D06M013-368; D06M013-453; D06M015-643; A61F005-44
- CC 40-9 (Textiles and Fibers)
- ST paper diaper finishing agent water permeability; sanitary product polyoxyalkylene fatty acid amide
- IT Fatty acids, uses
 - RL: TEM (Technical or engineered material use); USES (Uses)
(alkoxylated; water permeable finishing agent and fiber treated from the same)
- IT Polyoxyalkylenes, uses
 - RL: TEM (Technical or engineered material use); USES (Uses)
(derivs.; water permeable finishing agent and fiber treated from the same)
- IT Amines, uses
 - RL: TEM (Technical or engineered material use); USES (Uses)
(polyamines, nonpolymeric; water permeable finishing agent and fiber treated from the same)
- IT Polysiloxanes, uses
 - RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyethylene-polyoxypropylene; water permeable finishing

agent and fiber treated from the same)
 IT Medical goods
 (sanitary napkins; water permeable finishing agent and
 fiber treated from the same)
 IT Coating materials
 Diapers
 Nonwoven fabrics
 Paper
 (water permeable finishing agent and fiber treated from
 the same)
 IT 106-89-8, Chloropropylene oxide, reactions 2717-16-0,
 Diethanolamine stearate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (water permeable finishing agent and fiber treated from
 the same)
 IT 7632-05-5D, Sodium phosphate, alkane derivative
 42612-52-2, Polyoxyethylene lauryl ether phosphate sodium
 salt 108400-66-4 431935-40-9
 RL: TEM (Technical or engineered material use); USES (Uses)
 (water permeable finishing agent and fiber
 treated from the same)

L41 ANSWER 15 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:707428 HCPLUS Full-text
 DOCUMENT NUMBER: 135:274193
 TITLE: Low-foaming stable antistatic treatment
 agents for fibers
 INVENTOR(S): Hishida, Tatsuhiro; Takekawa, Shuji
 PATENT ASSIGNEE(S): Nikka Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001262467	A	20010926	JP 2000-79326	200003 16
				<--
PRIORITY APPLN. INFO.:			JP 2000-79326	200003 16
				<--

AB Treatment agents contain ethoxylated propoxylated alk(en)ylamines and
 polyoxalkylene alk(en)yl ether phosphates or alk(en)yl phosphates in ratios
 20-140:100. Thus, a treatment agent contained block polyethylene propylene
 glycol laurylamine ether 20, polyethylene glycol octyl ether K phosphate 60,
 ethyldimethylstearyl ammonium Et sulfate 10, Bu stearate 8, and polyethylene
 glycol lauryl ether 2 parts.
 IT 110-07-6 39322-78-6, Potassium lauryl phosphate
 69887-29-1, Potassium stearyl phosphate 73618-24-5
 , Polyethylene glycol octyl ether potassium phosphate
 363133-81-7
 RL: TEM (Technical or engineered material use); USES (Uses)
 (low-foaming stable antistatic treatment agents for
 fibers)

RN 110-07-6 HCAPLUS
 CN 1-Octadecanaminium, N-ethyl-N,N-dimethyl-, ethyl sulfate (1:1) (CA INDEX NAME)

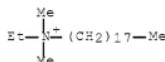
CM 1

CRN 48028-76-8
 CMF C2 H5 O4 S



CM 2

CRN 45273-64-1
 CMF C22 H48 N



RN 39322-78-6 HCAPLUS
 CN Phosphoric acid, dodecyl ester, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H3 O4 P



CM 2

CRN 112-53-8
 CMF C12 H26 O



RN 68987-29-1 HCAPLUS
 CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H₃ O₄ P



CM 2

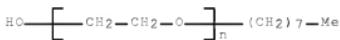
CRN 112-92-5
 CMF C₁₈ H₃₈ O

HO—(CH₂)₇—Me

RN 73018-34-5 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -octyl- ω -hydroxy-, phosphate,
 potassium salt (CA INDEX NAME)

CM 1

CRN 27252-75-1
 CMF (C₂ H₄ O)_n C₈ H₁₈ O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H₃ O₄ P



RN 363133-81-7 HCPLUS
 CN Oxirane, methyl-, polymer with oxirane, mono-octyl ether, phosphate,
 potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 7664-38-2
CMF H₃ O₄ P



CM 2

CRN 111-87-5
CMF C₈ H₁₈ O

HO—(CH₂)₇—Me

CM 3

CRN 9003-11-6
CMF (C₃ H₆ O . C₂ H₄ O)×
CCI PMS

CM 4

CRN 75-56-9
CMF C₃ H₆ O



CM 5

CRN 75-21-8
CMF C₂ H₄ O



IC ICM D06M013-328
ICS D06M013-295
CC 40-7 (Textiles and Fibers)
ST alkoxyLATED amine treatment agent fiber; polyoxyalkylene ether phosphate treatment fiber
IT Amines, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (alkoxylated; low-foaming stable antistatic treatment
 agents for fibers)

IT Surfactants
 (amphoteric; low-foaming stable antistatic treatment
 agents for fibers)

IT Surfactants
 (cationic; low-foaming stable antistatic treatment agents
 for fibers)

IT Antifoaming agents

Antistatic agents

Emulsions
 (low-foaming stable antistatic treatment agents for
 fibers)

IT Polyester fibers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (low-foaming stable antistatic treatment agents for
 fibers)

IT Surfactants
 (nonionic; low-foaming stable antistatic treatment agents
 for fibers)

IT 110-07-6 39322-78-6, Potassium lauryl phosphate
 69987-29-1, Potassium stearyl phosphate 73018-34-5
 , Polyethylene glycol octyl ether potassium phosphate 80748-76-1,
 Oxirane, methyl-, polymer with oxirane, (octadecylimino)dialkylenne
 ether 107991-12-8, Block polyethylene propylene glycol
 stearylamine ether 217324-48-6, Block polyethylene propylene
 glycol laurylamine ether 363133-69-1 363133-81-7
 RL: TEM (Technical or engineered material use); USES (Uses)
 (low-foaming stable antistatic treatment agents for
 fibers)

L41 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:677350 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:197078
 TITLE: Strengthening agent for non-wood fiber
 paper
 INVENTOR(S): Yao, Xianping; Zheng, Liping
 PATENT ASSIGNEE(S): Hangzhou Inst. of Chemical Industry, Peop. Rep.
 China
 SOURCE: Faming Zhanli Shenqing Gongkai Shuomingshu, 8
 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1281920	A	20010131	CN 1999-113918	199907 27
			<--	
CN 1085279	B	20020522	CN 1999-113918	199907 27
			<--	

PRIORITY APPLN. INFO.:

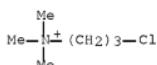
AB The strengthening agent is prepared by spraying cation-etherifying agent to starch, allowing the mixture to react at 50-80° for 4-6 h, spraying anion-esterifying agent, adjusting pH to 4-8, drying till water content 5-8%, heating to 120-140°, allowing the mixture to react for 2-4 h, cooling, mixing with auxiliary strengthening agent, allowing the mixture to react for 1-3 h, and aftertreatment. The etherifying agent is 2-diethylaminoethyl chloride, 2,3-epoxypropylidethylamine, 3-chloro-2-hydroxypropyltrimethylammonium chloride, 4-chloro-2-butenyltrimethyl ammonium chloride, or 3-(chloropropyl)trimethylammonium chloride. The alkali catalyst is selected from KOH, Ca(OH)2, NaOH, and Mg(OH)2. The esterifying agent is selected from NaH2PO4 and Na2HPO4. The auxiliary strengthening agent is a mixture of acetic acid and acetic anhydride. Reacting 3-(chloropropyl)trimethylammonium chloride with corn starch, followed by esterification with NaH2PO4 and Na2HPO4 and reaction with acetic acid and acetic anhydride gave a strengthening agent.

IT 1936-95-4DP, (3-Chloropropyl)trimethylammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 3327-22-8DP, 3-Chloro-2-hydroxypropyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 4237-07-4DP, 4-Chloro-2-butenyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 7558-79-4DP, reaction product with etherated starch and acetic anhydride 7558-80-7DP, Sodium dihydrogen phosphate, reaction product with etherated starch and acetic anhydride

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (strengthening agent for non-wood fiber paper)

RN 1936-95-4 HCAPLUS

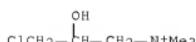
CN 1-Propanaminium, 3-chloro-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



● Cl-

RN 3327-22-8 HCAPLUS

CN 1-Propanaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



● Cl-

RN 4237-07-4 HCAPLUS

CN 2-Buten-1-aminium, 4-chloro-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



● cl⁻

RN 7558-79-4 HCAPLUS
 CN Phosphoric acid, sodium salt (1:2) (CA INDEX NAME)



●2 Na

RN 7558-80-7 HCAPLUS
 CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

IC ICM D21H021-18
 CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)
 ST paper strengthening agent manuf starch based
 IT Paper
 (strengthening agent for non-wood fiber paper)
 IT 9005-25-8P, corn starch, uses
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (reaction product with etherification and esterification agents and acetic anhydride; strengthening agent for non-wood fiber paper)
 IT 64-19-7DP, Acetic acid, reaction product with phosphated etherated starch, uses 100-35-6DP, 2-Diethylaminoethyl chloride, reaction product with starch, phosphate salt, and acetic anhydride 108-24-7DP, Acetic anhydride, reaction product with phosphated etherated starch 1936-95-4DP, (3-Chloropropyl)trimethylammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 2917-91-1DP, Glycidylidethylamine, reaction product with starch, phosphate salt, and acetic anhydride 3327-22-8DP, 3-Chloro-2-hydroxypropyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 4237-07-4DP, 4-Chloro-2-butenyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 7558-79-4DP,

reaction product with etherated starch and acetic anhydride
 7559-36-7DP, Sodium dihydrogen phosphate, reaction product
 with etherated starch and acetic anhydride
 RL: IMF (Industrial manufacture); TEM (Technical or engineered
 material use); PREP (Preparation); USES (Uses)
 (strengthening agent for non-wood fiber
 paper)

L41 ANSWER 17 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:563820 HCPLUS Full-text
 DOCUMENT NUMBER: 135:138655
 TITLE: All-aromatic polyamide staple fibers with good
 mechanical spinning properties comprising aramid
 fibers coated with mixtures comprising
 C14-16 alcohol phosphate ester alkali metal
 salts and nitrogen-containing cationic or
 nonionic antistatic agents
 INVENTOR(S): Kimura, Akira
 PATENT ASSIGNEE(S): Teijin Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001207379	A	20010803	JP 2000-20099	200001 28
<--				
JP 3856612	B2	20061213	JP 2000-20099	200001 28
<--				

PRIORITY APPLN. INFO.: AB

The fibers comprise aramid (A) fibers coated with mixts. comprising C14-16
 alc. phosphate ester alkali metal salts and N-containing cationic antistatic
 agents and/or N-containing nonionic antistatic agents and have finish content
 0.1-1.0% (on fiber), or the fibers comprise A fibers coated with 50-90:50-10
 (weight ratio) mixts. of C14-16 alc. phosphate ester alkali metal salts and N-
 containing cationic antistatic agents and/or N-containing nonionic antistatic
 agents. Drawn 3,4'-diaminodiphenyl ether-p-phenylenediamine-terephthalic acid
 copolymer fibers were coated with a composition containing 70% cetyl phosphate
 potassium salt and 30% stearyltrimethylammonium Et sulfate to form fibers with
 finish content 0.4%, crimped at 95°, dried, cut, and mech. spun to give yarns
 with scum formation amount 10.2 mg/100 kg.

IT 84861-79-0, Cetyl phosphate potassium salt

92233-41-5 352607-09-1

RL: PRP (Properties); TEM (Technical or engineered material use);

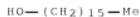
USES (Uses)

(all-aromatic polyamide staple fibers with good mech.
 spinning properties comprising aramid fibers coated
 with mixts. comprising C14-16 alc. phosphate ester
 alkali metal salts and nitrogen-containing cationic or nonionic
 compds.)

RN 84861-79-0 HCPLUS

CN 1-Hexadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 36653-82-4
CMF C16 H34 O

CM 2

CRN 7664-38-2
CMF H3 O4 PRN 92233-41-5 HCPLUS
CN 1-Octadecanaminium, N,N,N-trimethyl-, ethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 48028-76-8
CMF C2 H5 O4 S

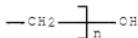
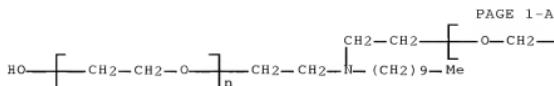
CM 2

CRN 15461-40-2
CMF C21 H46 NRN 352007-09-1 HCPLUS
CN Poly(oxy-1,2-ethanediyl), α,α' -[(decylimino)di-2,1-ethanediyl]bis[ω -hydroxy-, phosphate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 52001-65-7
CMF (C2 H4 O)n (C2 H4 O)n C14 H31 N O2

CCI PMS



PAGE 1-B

CM 2

CRN 7664-38-2

CMF H3 O4 P



IC ICM D06M013-295
 ICS D06M013-463; D06M101-36
 CC 40-2 (Textiles and Fibers)
 IT Polyoxalkylenes, uses
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (alkylamine derivs., phosphate salts; aramid staple fibers with
 good mech. spinning properties comprising aramid fibers coated
 with mixts. comprising alc. phosphate ester alkali
 metal salts and nitrogen-containing cationic or nonionic compds.)

IT Polyanide fibers, uses
 RL: PEP (Physical, engineering or chemical process); PRP
 (Properties); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (aramid; all-aromatic polyamide staple fibers with good mech.
 spinning properties comprising aramid fibers coated with
 mixts. comprising C14-16 alc. phosphate ester alkali
 metal salts and nitrogen-containing cationic or nonionic compds.)

IT Polyanide fibers, uses
 Synthetic polymeric fibers, uses
 RL: PEP (Physical, engineering or chemical process); PRP
 (Properties); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (diaminodiphenyl ether-phenylenediamine-terephthalic acid;
 all-aromatic polyamide staple fibers with good mech. spinning
 properties comprising aramid fibers coated with mixts.
 comprising C14-16 alc. phosphate ester alkali metal salts and

nitrogen-containing cationic or nonionic compds.)

IT Quaternary ammonium compounds, uses
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (finishing agents; all-aromatic polyamide staple fibers
 with good mech. spinning properties comprising aramid fibers
 coated with mixts. comprising C14-16 alc. phosphate
 ester alkali metal salts and nitrogen-containing cationic or nonionic
 compds.)

IT Polyethers, uses
 RL: PEP (Physical, engineering or chemical process); PRP
 (Properties); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (poly(amine-, fiber, diaminodiphenyl ether-phenylenediamine-
 terephthalic acid; all-aromatic polyamide staple fibers with good
 mech. spinning properties comprising aramid fibers coated with
 mixts. comprising C14-16 alc. phosphate ester alkali
 metal salts and nitrogen-containing cationic or nonionic compds.)

IT 84861-79-0, Cetyl phosphate potassium salt
 92233-41-5 352007-09-1
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (all-aromatic polyamide staple fibers with good mech.
 spinning properties comprising aramid fibers coated
 with mixts. comprising C14-16 alc. phosphate ester
 alkali metal salts and nitrogen-containing cationic or nonionic
 compds.)

IT 66559-37-3, 3,4'-Diaminodiphenyl ether-p-phenylenediamine-
 terephthalic acid copolymer
 RL: PEP (Physical, engineering or chemical process); PRP
 (Properties); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (fiber; all-aromatic polyamide staple fibers with good mech.
 spinning properties comprising aramid fibers coated with
 mixts. comprising C14-16 alc. phosphate ester alkali
 metal salts and nitrogen-containing cationic or nonionic compds.)

L41 ANSWER 18 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:220333 HCPLUS [Full-text](#)
 DOCUMENT NUMBER: 134:253685
 TITLE: Polyphenylene sulfide short fibers treated with
 finish oil compositions
 INVENTOR(S): Hosohara, Sadao; Adachi, Yasuo; Kasahara,
 Teruhiko
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001081665	A	20010327	JP 1999-254465	199909 08

PRIORITY APPLN. INFO.: JP 1999-254465

199909

08

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OTHER SOURCE(S): MARPAT 134:253685

AB The polyphenylene sulfide short fibers having good spinning properties are obtained by treating polyester fibers with finishing compns. comprising (a) 50-70% average C16-22 saturated aliphatic hydrocarbyl phosphate potassium salts, (b) 10-20% paraffin waxes , (c) 10-15% cationic and/or anionic surfactants, and (d) 4-15% OH(C2H4O)n(R1)(OC2H4)mOH (R1 = C10-14 aliphatic hydrocarbyl; l + m = 5-15) and/or R2-p-C6H4(OC2H4)nOH (R2 = C8-10 aliphatic hydrocarbyl; n = 5-10). Thus, 0.2% oiling agent containing potassium stearyl phosphate 60, paraffin wax 12, trimethyloctylammonium di-Me phosphate 12, polyoxyethylene laurylamine 4, polyoxyethylene nonylphenyl ether 4, and polyoxyethylene lauryl ether 8 parts was sprayed on a polyphenylene sulfide fiber tow, cut, carded, and drawn to give short fibers showing degree of crimp 16.5% and number of crimp 12.0/25 mm.

IT 68987-29-1, Potassium stearyl phosphate

RL: TEM (Technical or engineered material use); USES (Uses)
(finishing compns containing; polyphenylene sulfide short
fibers treated with finish oil compns.)

RN 68987-29-1 HCPLUS

CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

CRN 112-92-5

CMF C18 H38 O

HO—(CH₂)₁₇—Me

IT 85153-34-0, Trimethyloctylammonium dimethyl phosphate

RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant, finishing compns containing; polyphenylene
sulfide short fibers treated with finish oil
compns.)

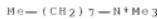
RN 85153-34-0 HCPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA
INDEX NAME)

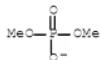
CM 1

CRN 15461-38-8

CMF C11 H26 N



CM 2

CRN 7351-83-9
CMF C2 H6 O4 P

IC ICM D06M013-292
 ICS D01F006-76; D06M013-02; D06M013-17; D06M013-328; D06M013-463
 CC 40-9 (Textiles and Fibers)
 IT Surfactants
 (anionic, finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
 IT Surfactants
 (cationic, finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
 IT Polythiophenylenes
 RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (fiber; polyphenylene sulfide short fibers treated with finish oil compns.)
 IT Paraffin waxes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
 IT Lubricating oils
 (polyphenylene sulfide short fibers treated with finish oil compns.)
 IT Synthetic polymeric fibers, uses
 RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (polythiophenylenes; polyphenylene sulfide short fibers treated with finish oil compns.)
 IT 9002-92-0, Polyoxyethylene lauryl ether 9016-45-9, Polyoxyethylene nonylphenyl ether 31017-83-1 60987-29-1, Potassium stearyl phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
 IT 85153-34-0, Trimethyloctylammonium dimethyl phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (surfactant, finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)

L41 ANSWER 19 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:107699 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 134:167487
 TITLE: Liquid deodorization agent
 INVENTOR(S): Yamaguchi, Noriko; Kanno, Ikuo; Shirado,
 Kazutaka; Ogura, Nobuyuki; Tagata, Shuji
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001037861	A	20010213	JP 1999-213700	199907 28
<--				
JP 3771088	B2	20060426	JP 1999-213700	199907 28
<--				

PRIORITY APPLN. INFO.:

AB The liquid deodorization agent contains a base agent , 0.001-0.5 weight% of a water-soluble polymer compound with 2,000-6,000,000 weight average mol. weight, and water and packed in a spray container. The agent is for spraying type air deodorization and removing smell remaining in fabrics.
 IT 7558-80-7, Sodium dihydrogen phosphate 19309-23-0
 RL: TEM (Technical or engineered material use); USES (Uses)
 (base agent of deodorization agent; liquid
 deodorization agent containing polymer compound for air and
 fabric deodorization)
 RN 7558-80-7 HCAPLUS
 CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

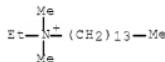
RN 19309-23-0 HCAPLUS
 CN 1-Tetradecanaminium, N-ethyl-N,N-dimethyl-, ethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 48028-76-8
 CMF C2 H5 O4 S

Et—O—SO₃⁻

CM 2

CRN 45236-69-9
CMF C18 H40 N

IC ICM A61L009-14
ICS A61L009-01
CC 59-6 (Air Pollution and Industrial Hygiene)
ST air deodorization liq agent water sol polymer
IT Acrylic polymers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (deodorization agent containing; liquid deodorization
 agent containing polymer compound for air and fabric
 deodorization)

IT Textiles
 (deodorization agent for; liquid deodorization
 agent containing polymer compound for air and fabric
 deodorization)

IT Tobacco smoke
 (deodorization of; liquid deodorization agent containing
 polymer compound for air and fabric deodorization)

IT Air purification
 (deodorization; liquid deodorization agent containing polymer
 compound for air and fabric deodorization)

IT Deodorants
 (liquid deodorization agent containing polymer compound for air
 and fabric deodorization)

IT 106-87-6D, reaction product with cetyl alc. ethylene oxide adduct
 109-55-7D, reaction product with lauric acid 143-07-7D, Lauric
 acid, reaction product with dimethylaminopropylamine 154-23-4,
 Catechin 1643-20-5, Dimethyllaurylamine oxide 7388-22-9,
 γ-Methyl ionone 7558-80-7, Sodium dihydrogen
 phosphate 19309-23-0
 RL: TEM (Technical or engineered material use); USES (Uses)
 (base agent of deodorization agent; liquid
 deodorization agent containing polymer compound for air and
 fabric deodorization)

IT 106-89-8D, Epichlorohydrin, reaction product with
 hydroxyethylcellulose 9002-89-5, Poly(vinyl alcohol) 9003-01-4,
 Poly(acrylic acid) 9004-62-0D, Hydroxyethylcellulose, reaction
 product with epichlorohydrin 9004-95-9D, reaction product with
 vinylcyclohexene dioxide
 RL: TEM (Technical or engineered material use); USES (Uses)
 (deodorization agent containing; liquid deodorization
 agent containing polymer compound for air and fabric
 deodorization)

L41 ANSWER 20 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:725738 HCPLUS Full-text
 DOCUMENT NUMBER: 133:311157
 TITLE: Composition containing transition
 metal complex for catalytically bleaching
 laundry fabrics with atmospheric oxygen
 INVENTOR(S): Appel, Adriaan Cornelis Maria; Delroisse,
 Michel Gilbert Jose; Hage, Ronald; Tetard,
 David; Twisker, Robin Stefan
 PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever N. V.; Hindustan
 Lever Limited
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 13
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000060043	A1	20001012	WO 2000-EP2587	200003 22
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
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WO 2000012667	A1	20000309	WO 1999-GB2876	199909 01
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WO 2000012808	A1	20000309	WO 1999-GB2878	199909 01
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EP 1433840	A1	20040630	EP 2004-7615	

R: BE, DE, ES, FR, GB, IT		199909
ZA 2001006939	A 20020822	01
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PRIORITY APPLN. INFO.:	GB 1999-7713	A 200108
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		01
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	WO 1999-GB2876	A 199904
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	WO 1999-GB2878	W 199909
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	GB 2000-4858	A 199909
		01
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	GB 1998-19046	A 200002
		29
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	GB 1999-6474	A 199809
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	EP 1999-943083	A 199903
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OTHER SOURCE(S): MARPAT 133:311157

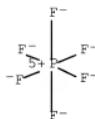
AB The title method comprises applying to the substrate, in an aqueous bleaching composition containing a ligand complex with a transition metal, the complex catalyzing bleaching of the substrate by atmospheric O₂. Also the aqueous bleaching composition is substantially devoid of peroxygen bleach or a peroxy-based or -generating bleach system. Tomato stained cloths were bleached in the presence of a cleaner containing surfactant and 10 μM [Fe(N-methyl-N,N',N'-tris(3-methylpyridin-2-ylmethyl)ethylenediamine)Cl](PF₆) (preparation given), showing a color difference (pH 8) 17; vs. 3 for a blank and 2 using peroxide source bleach.

IT 16941-11-0, Ammonium hexafluorophosphate 21324-39-0
, Sodium hexafluorophosphate

RL: RCT (Reactant); RACT (Reactant or reagent)
(composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

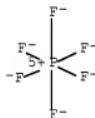
RN 16941-11-0 HCAPLUS

CN Phosphate(1-), hexafluoro-, ammonium (1:1) (CA INDEX NAME)



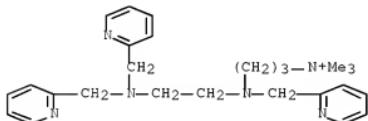
● NH₄⁺

RN 21324-39-0 HCPLUS
 CN Phosphate(1-), hexafluoro-, sodium (1:1) (CA INDEX NAME)



● Na⁺

IT 302542-35-4P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
 RN 302542-35-4 HCPLUS
 CN 1-Propanaminium, 3-[{2-[bis(2-pyridinylmethyl)amino]ethyl}(2-pyridinylmethyl)amino]-N,N,N-trimethyl-, bromide (9CI) (CA INDEX NAME)



● Br⁻

IC ICM C11D003-395
 ICS C07D213-38; C07F015-02; C07F013-00; D06L003-02; C07D235-30;
 C07D405-14
 CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 67

IT Bleaching

Oxidation catalysts
 (composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT Transition metal complexes

RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
 (composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 7439-89-6D, Iron, polyamine complexes, uses 7439-96-5D, Manganese, polyamine complexes, uses 7440-48-4D, Cobalt, polyamine complexes, uses 302542-45-6D, transition metal complexes 302542-66-1
 302542-70-7 302542-74-1 302542-77-4 302542-81-0 302542-84-3
 302542-86-5 302542-88-7 302542-90-1 302542-92-3 302542-94-5
 302542-96-7 302542-98-9 302543-00-6 302543-02-8 302543-04-0
 302543-06-2 302543-08-4 302543-10-8 302543-12-0 302543-14-2
 302543-16-4 302543-18-6 302543-20-0 302543-22-2 302543-24-4
 302543-26-6 302543-28-8 302543-30-2 302543-32-4 302543-34-6
 302543-37-9 302543-39-1 302543-41-5 302543-43-7 302543-46-0
 302543-48-2 302543-50-6
 RL: CAT (Catalyst use); USES (Uses)
 (composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 260395-33-3P 302542-43-4DP, iron dinuclear complex 302543-53-9P
 302543-55-1P 302543-57-3P
 RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
 (composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 110-72-5P 768-61-6P, 2-Hydroxymethyl-5-ethyl pyridine 772-71-4P,
 2-Acetoxymethyl-5-methyl pyridine 3010-05-7P, N-Benzyl amino acetonitrile 4152-09-4P 5700-58-3P 19815-35-1P 21852-60-8P,
 2-Acetoxymethyl-5-ethyl pyridine 22940-71-2P, 2-Hydroxymethyl-5-methyl pyridine 24426-40-2P, N-Ethyl amino acetonitrile 52814-41-2P, 2-Acetoxymethyl-3-methyl pyridine 63071-09-0P,
 2-Hydroxymethyl-3-methyl pyridine 302543-51-7P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 50-00-0, Formaldehyde, reactions 75-04-7, Ethylamine, reactions 98-01-1, Furan-2-carbaldehyde, reactions 100-46-9, N-Benzyl amine, reactions 103-76-4, 1-Piperazineethanol 104-90-5,
 5-Ethyl-2-methyl pyridine 109-81-9 143-33-9, Sodium cyanide (NaCN) 583-61-9, 2,3-Lutidine 589-93-5, 2,5-Lutidine 4377-33-7, Picolyl chloride 4377-43-9 4760-34-3 7467-35-8
 13478-10-9, Iron dichloride tetrahydrate 16941-11-0, Ammonium hexafluorophosphate 21324-39-0, Sodium hexafluorophosphate 34451-31-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 104170-15-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (ligand precursor; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 172300-86-6 260395-29-7 260395-31-1 302542-45-6 302543-35-7

302543-44-8

RL: CAT (Catalyst use); USES (Uses)

(ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 260395-26-4P 260395-27-5P 260395-28-6P 260395-30-0P

302542-43-4P 302542-62-7P
RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP

(Preparation); USES (Uses)

(ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 302542-35-4P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP

(Preparation); RACT (Reactant or reagent)

(ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

REFERENCE COUNT:

9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L41 ANSWER 21 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:421835 HCAPLUS Full-text

DOCUMENT NUMBER: 131:59932

TITLE: Auxiliary agent formulation
for pretreating cellulosic fibre materials prior
to or during the dyeing process

INVENTOR(S): Scheibl, Peter; Ferrat, Rene

PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9932704	A1	19990701	WO 1998-EP8000	199812 09

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 MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
 SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9920527	A	19990712	AU 1999-20527	199812 09
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PRIORITY APPLN. INFO.: EP 1997-811001 A

199712

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WO 1998-EP8000 W

199812

09

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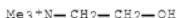
AB An aqueous auxiliary agent formulation of A and B, where component (A) is a compound [Me₃N+CH₂CH₂OH]A-, A- is an anion, and component (B) is a crosslinking resin. A cotton fabric is padded with aqueous liquor containing 160 g/L cyclic urea crosslinking agent and choline chloride and 20 g/L magnesium chloride hexahydrate, dried, and fixed at 180° to give cationized fabric with a good angle of crease recovery and dyeability.

IT 67-48-1, Choline chloride 65151-62-4
83846-92-8, Choline phosphate

RL: TEM (Technical or engineered material use); USES (Uses)
(in aqueous auxiliary agent formulation for
pretreating cellulosic fiber materials prior to or
during dyeing process)

RN 67-48-1 HCAPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



RN 65151-62-4 HCAPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, methyl sulfate (1:1) (CA INDEX NAME)

CM 1

CRN 21228-90-0

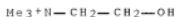
CMF C H₃ O₄ S



CM 2

CRN 62-49-7

CMF C₅ H₁₄ N O



RN 83846-92-8 HCAPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 14066-20-7

CMF H₂ O₄ P

CM 2

CRN 62-49-7
CMF C5 H14 N O $\text{H}_3\text{N}-\text{CH}_2-\text{CH}_2-\text{OH}$

IC ICM D06M013-463
 ICS D06P001-66; D06P001-56; D06P001-54
 CC 40-6 (Textiles and Fibers)
 ST choline chloride auxiliary dyeing cellulosic fiber; methylool urea auxiliary dyeing cellulosic fiber; pretreatment auxiliary dyeing cellulosic fiber; cotton fabric dyeing auxiliary pretreatment; durable press finishing cotton; storage stable auxiliary pretreatment agent
 IT Durable press finishing
 (auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)
 IT Textiles
 (cotton; auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)
 IT Aminoplasts
 RL: TEM (Technical or engineered material use); USES (Uses)
 (in aqueous auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)
 IT 67-48-1, Choline chloride 140-95-4, Dimethylolurea
 531-18-0, Hexamethyolmelamine 937-35-9 3089-11-0 4356-60-9
 4858-96-2, Choline sulfate 9003-08-1, Formaldehyde-melamine copolymer 9011-05-6, Formaldehyde-urea copolymer 33024-98-5
 65151-62-4 83846-92-8, Choline phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (in aqueous auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L41 ANSWER 22 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1999:409460 HCPLUS [Full-text](#)
 DOCUMENT NUMBER: 131:59940
 TITLE: Spinning oiling agents for aromatic polyamide fibers

INVENTOR(S): Inagaki, Kuniyasu; Kinoshita, Tsukasa
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11172577	A	19990629	JP 1997-362242	199712 10
JP 3810037	B2	20060816	JP 1997-362242	199712 10
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PRIORITY APPLN. INFO.:				

OTHER SOURCE(S): MARPAT 131:59940

AB Oiling agents contain organic ammonium or phosphonium phosphates and amino polysiloxanes at ratio 10:90-60:40. Thus, an oiling agent contained tetramethylammonium di-Me phosphate 12, N-(2-aminoethyl)-3-aminopropyl group-containing polydimethylsiloxane 48, and nonionic surfactants 40 parts.

IT 756-77-4, Tetramethylammonium dimethyl phosphate 4221-31-2 69083-17-6, Tetraethylammonium diethyl phosphate 85153-34-0 142756-42-1 228114-03-2 228114-04-3 228114-08-7

RL: MOA (Modifier or additive use); USES (Uses)
 (spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)

RN 756-77-4 HCPLUS

CN Methanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA INDEX NAME)

CM 1

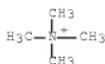
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CMF C2 H6 O4 P



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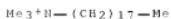
CRN 51-92-3
 CMF C4 H12 N



RN 4221-31-2 HCPLUS
 CN 1-Octadecanaminium, N,N,N-trimethyl-, dimethyl phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 15461-40-2
 CMF C21 H46 N



CM 2

CRN 7351-83-9
 CMF C2 H6 O4 P



RN 69083-17-6 HCPLUS
 CN Ethanaminium, N,N,N-triethyl-, diethyl phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 48042-47-3
 CMF C4 H10 O4 P



CM 2

CRN 66-40-0
 CMF C8 H20 N



RN 85153-34-0 HCAPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 15461-38-8
 CMF C11 H26 N



CM 2

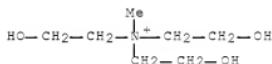
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 CMF C2 H6 O4 P



RN 142756-42-1 HCAPLUS
 CN Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, dimethyl phosphate (salt) (9CI) (CA INDEX NAME)

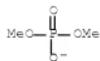
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CRN 44971-58-6
 CMF C7 H18 N O3



CM 2

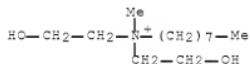
CRN 7351-83-9
 CMF C2 H6 O4 P



RN 228114-03-2 HCPLUS
 CN 1-Octanaminium, N,N-bis(2-hydroxyethyl)-N-methyl-, dimethyl phosphate (salt) (9CI) (CA INDEX NAME)

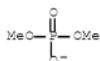
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CRN 58767-49-0
 CMF C13 H30 N O2



CM 2

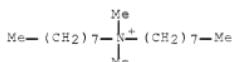
CRN 7351-83-9
 CMF C2 H6 O4 P



RN 228114-04-3 HCPLUS
 CN 1-Octanaminium, N,N-dimethyl-N-octyl-, dimethyl phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 20256-55-7
 CMF C18 H40 N



CM 2

CRN 7351-83-9

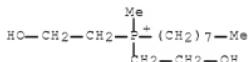
CMF C2 H6 O4 P



RN 228114-08-7 HCAPLUS
 CN Phosphonium, bis(2-hydroxyethyl)methyloctyl-, dimethyl phosphate
 (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 228114-07-6
 CMF C13 H30 O2 P



CM 2

CRN 7351-83-9
 CMF C2 H6 O4 P



IC ICM D06M013-463
 ICS D06M015-643

CC 40-7 (Textiles and Fibers)

ST oiling agent arom polyamide fiber; ammonium phosphate
 amino silicone oiling agent; phosphonium phosphate amino
 silicone oiling agent

IT Polysiloxanes, uses

RL: MOA (Modifier or additive use); USES (Uses)
 (amino, di-Me; spinning oiling agents containing ammonium
 and phosphonium phosphates and nonionic surfactants for aromatic
 polyamide fibers)

IT Polyamide fibers, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical
 or engineered material use); PROC (Process); USES (Uses)
 (aramid; spinning oiling agents containing ammonium and
 phosphonium phosphates and nonionic surfactants for aromatic
 polyamide fibers)

IT Surfactants

(nonionic; spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)

IT Lubricants
 (spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)

IT Phosphonium compounds
 Quaternary ammonium compounds, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)

IT 756-77-4, Tetramethylammonium dimethyl phosphate
 4221-31-2 9004-98-2, Polyethylene glycol oleyl ether
 9005-65-6, Polyethylene glycol sorbitan monooleate 9005-66-7,
 Polyethylene glycol sorbitan monopalmitate 9016-45-9, Polyethylene glycol nonylphenyl ether 20445-88-9, Methyltributylphosphonium dimethyl phosphate 20445-92-5 25190-01-6, Polyethylene glycol dodecylamine ether 67167-59-3, Polyethylene glycol stearate 65083-17-6, Tetraethylammonium diethyl phosphate
 85153-34-0 142756-42-1 156623-21-1 158465-66-8
 228114-03-0 228114-04-3 228114-05-4
 228114-06-5 228114-06-7 228114-09-8
 RL: MOA (Modifier or additive use); USES (Uses)
 (spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)

IT 24938-60-1 24938-64-5, Poly(p-phenylene terephthalamide)
 25035-33-0 25035-37-4, Poly(p-phenylene terephthalamide)
 RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)

L41 ANSWER 23 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:231492 HCPLUS Full-text

DOCUMENT NUMBER: 130:257164

TITLE: Enzymic foam compositions for dyeing keratinous fibers

INVENTOR(S): Sorensen, Niels Henrik

PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9915137	A1	19990401	WO 1998-DK406	199809 18

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 KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
 MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
 TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW
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 18
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 PRIORITY APPLN. INFO.: DK 1997-1077 A
 199709
 19
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 DK 1998-165 A
 199802
 05
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 WO 1998-DK406 W
 199809
 18
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AB The invention relates to enzymic foam compns. for bleaching or dyeing of keratinous fibers, e.g. hair, fur, hide or wool, comprising: (1) at least one oxidation enzyme, typically an oxidoreductase selected from laccases and related enzymes, oxidases and peroxidases; (2) at least one foaming agent, e.g. selected from soaps and anionic, nonionic, amphoteric and zwitterionic surfactants; (3) at least one dye precursor, e.g. selected from diamines, aminophenols and phenols; and optionally (4) at least one modifier, e.g. selected from m-aromatic diamines, m-aminophenols and polyphenols. A foam formulation containing laccase from *Mycelophtthora thermophila* 0.1 mg/mL, a dye precursor, p-phenylenediamine or o-aminophenol, 0.5%, SDS 2.0%, betaine phosphate 2.0%, and buffer up to 100%, resp., showed better color uniformity compared to control, i.e. a "still water" compn. containing a dye precursor concentration reduced by 50%.

IT 56823-88-4, Betaine phosphate

RL: BUU (Biological use, unclassified); BIOL (Biological study);

USES (Uses)

(oxidative enzymic foam compns. for dyeing keratinous fibers)

RN 56823-88-4 HCPLUS

CN Methanaminium, 1-carboxy-N,N,N-trimethyl-, phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 14066-20-7

CMF H2 O4 P



CM 2

CRN 6915-17-9
CMF C5 H12 N O2

IC ICM A61K007-13
 ICS A61K007-06
 CC 62-3 (Essential Oils and Cosmetics)
 Section cross-reference(s): 41
 IT Phenols, biological studies
 Phenols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (amino; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Surfactants
 (amphoteric; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Surfactants
 (anionic; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Amines, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (diamines, aromatic; oxidative enzymic foam compns. for
 dyeing keratinous fibers)
 IT Amines, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (diamines; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Fur
 Hide
 Wool
 (dyeing of; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Hair preparations
 (dyes, oxidative; oxidative enzymic foam compns. for
 dyeing keratinous fibers)
 IT Dyeing
 (foam; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Aspergillus
 Botrytis
 Collybia

Coprinus
 Coriolus
 Fomes
 Fungi
 Lentinus
Myceliophthora
Myceliophthora thermophila
 Neurospora
 Phlebia
Phlebia radiata
Pleurotus
Podospora
Polyporus
Polyporus pinsitus
Pyricularia
Pyricularia oryzae
Rhizoctonia
Rhizoctonia solani
Scytalidium
Scytalidium thermophilum
Trametes hirsuta
Trametes versicolor
 (laccase of; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Phenols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (naphthols; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Surfactants
 (nonionic; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Foaming agents
 (oxidative enzymic foam compns. for dyeing keratinous
 fibers)
 IT Phenols, biological studies
 Soaps
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (oxidative enzymic foam compns. for dyeing keratinous
 fibers)
 IT Dyes
 (oxidative; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Enzymes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (oxidizing; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Amines, biological studies
 Amines, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (phenolic; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Phenols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (polyphenols, nonpolymeric; oxidative enzymic foam compns
 . for dyeing keratinous fibers)

IT Surfactants
 (zwitterionic; oxidative enzymic foam compns. for
 dyeing keratinous fibers)
 IT 95-55-6, o-Aminophenol 95-70-5, p-Toluenediamine 106-50-3,
 p-Phenylenediamine, biological studies 151-21-3, Sodium dodecyl
 sulfate, biological studies 9002-10-2, Tyrosinase 9003-99-0,
 Peroxidase 9004-82-4 9035-73-8, Oxidase 9055-15-6,
 Oxidoreductase 58823-88-4, Betaine phosphate 80498-15-3,
 Laccase
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (oxidative enzymic foam compns. for dyeing keratinous
 fibers)
 REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

L41 ANSWER 24 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:700925 HCAPLUS Full-text
 DOCUMENT NUMBER: 129:332068
 TITLE: Water permeating agent for textile
 products and water permeable textile products
 INVENTOR(S): Kita, Setsuo; Komeda, Haruhiko; Higashiguchi,
 Teruo; Takahashi, Kazuhide; Oota, Sumio
 PATENT ASSIGNEE(S): Matsumoto Yushi-Seiyaku Co., Ltd., Japan
 SOURCE: U.S., 7 pp., Cont.-in-part of U.S. Ser. No.
 672,051, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 5827443	A	19981027	US 1997-821971	199703 14
			<--	
JP 10053958	A	19980224	JP 1996-169093	199606 28
			<--	
JP 3571465	B2	20040929	JP 1995-161795	A 199506 28
PRIORITY APPLN. INFO.:				
			<--	
			US 1996-672051	B2 199606 26
			<--	
			JP 1996-145576	A 199606 07
			<--	

AB A water permeating agent for textiles comprises (a) ≥1 member selected from polyalkylpolyamine amide, its alkylene oxide adducts and mixts. thereof, and
 (b) ≥1 member selected from trialkylglycine derivative, alkyl imidazolium

hydroxyethyl glycine derivs. and mixts. thereof, wherein component (b) is present in an amount of 0.2 to 5 parts per weight based on one part by weight of component (a). The water permeating agent imparts water permeability durable against repeated water permeation, and sufficient fiber cohesion to binder fibers, which are processed into textile products, such as nonwovens.

IT 17026-83-4, Sodium dodecylphosphate 108400-66-4
122107-52-2 186767-25-9

RL: TEM (Technical or engineered material use); USES (Uses)
(water permeating agent for textile products
and water permeable textile products)

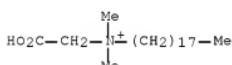
RN 17026-83-4 HCPLUS

CN Phosphoric acid, monododecyl ester, sodium salt (1:?) (CA INDEX NAME)



RN 108400-66-4 HCPLUS

CN 1-Octadecanaminium, N-(carboxymethyl)-N,N-dimethyl-, hydroxide (1:1)
(CA INDEX NAME)



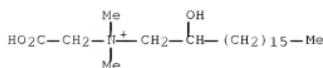
RN 122107-52-2 HCPLUS

CN Ethanol, 2-[2-(dodecyloxy)ethoxy]-, dihydrogen phosphate, monosodium salt (9CI) (CA INDEX NAME)



RN 186767-25-9 HCPLUS

CN 1-Octadecanaminium, N-(carboxymethyl)-2-hydroxy-N,N-dimethyl-, hydroxide (9CI) (CA INDEX NAME)



IC ICM D06M013-325

INCL 252008610

CC 40-9 (Textiles and Fibers)

ST textile water permeation agent; polyamine amide water permeation agent; glycine deriv water permeation agent; imidazolium hydroxyethyl glycine water permeation agent

IT Polyamines

Polyamines

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyamide-, polyalkyl; water permeating agent for textile products and water permeable textile products)

IT Polyamides, uses

Polyamides, uses

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyamine-, polyalkyl; water permeating agent for textile products and water permeable textile products)

IT Nonwoven fabrics

Textiles

(water permeating agent for textile products and water permeable textile products)

IT Polypropene fibers, processes

RL: PEP (Physical, engineering or chemical process); PROC (Process)
(water permeating agent for textile products and water permeable textile products)

IT 57-11-4DP, Stearic acid, condensate with aminoethylamine ethanol amine 75-21-8DP, Ethylene oxide, adducts with aminoamides 108-00-9DP, condensate with behenic acid 111-40-0DP, Diethylenetriamine, condensate with behenic acid 111-41-1DP, condensate with stearic acid 112-85-6DP, Behenic acid, condensate with diethylenetriamine 215179-70-7P, Adipic acid-ethoxylated diethylenetriamine copolymer 215179-71-8P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(water permeating agent for textile products and water permeable textile products)

IT 13039-26-4 15826-19-4 17026-83-4, Sodium dodecylphosphate 106400-66-4 122107-52-2 186767-25-9

RL: TEM (Technical or engineered material use); USES (Uses)
(water permeating agent for textile products and water permeable textile products)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 1997:264584 HCAPLUS Full-text
 DOCUMENT NUMBER: 126:239219
 TITLE: Manufacture of polyester compositions containing alumina and dispersants giving abrasion-resistant films or fibers
 INVENTOR(S): Odajima, Akio; Hayashi, Gen; Okawa, Hiromoto
 PATENT ASSIGNEE(S): Toray Industries, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 09040850	A	19970210	JP 1995-190399	199507 26

PRIORITY APPLN. INFO.: <--
 JP 1995-190399 199507
 26

OTHER SOURCE(S): MARPAT 126:239219
 AB Title compns. are manufactured by addition of slurries of alumina particles with different crystal structures dispersed by P compds. and ammonia or lower amines, to polymerization mixts. of aromatic dicarboxylic acids and aliphatic glycols at any stage. Thus, di-Me terephthalate was ester-exchanged with ethylene glycol, then polymerized in the presence of a slurry containing δ - and θ -alumina and tetraethylammonium phosphate to give a PET composition with intrinsic viscosity 0.617, which was extruded into a film and biaxially stretched. The obtained film showed Ra 0.011 μ m and good abrasion resistance.
 IT 10124-31-9, Ammonium phosphate 76206-78-5
 RL: MOA (Modifier or additive use); USES (Uses)
 (dispersant; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 RN 10124-31-9 HCAPLUS
 CN Phosphoric acid, ammonium salt (1:?) (CA INDEX NAME)



● K NH₃

RN 76206-78-5 HCAPLUS
 CN Ethanaminium, N,N,N-triethyl-, phosphate(3-) (3:1) (CA INDEX NAME)

CM 1

CRN 14265-44-2

CMF O4 P



CM 2

CRN 66-40-0
CMF C8 H20 N

IC ICM C08L067-00
 ICS C08G063-78; C08K003-22
 CC 37-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 38, 40
 IT Films
 Films
 (abrasion-resistant; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 IT Dispersing agents
 (amines and phosphorus compds.; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 IT Abrasion-resistant materials
 Abrasion-resistant materials
 (films; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 IT Polymerization
 (manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 IT Polyester fibers, preparation
 Polyesters, preparation
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)
 (manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 IT Quaternary ammonium compounds, properties
 RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (phosphates, dispersants; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 IT 10124-31-9, Ammonium phosphate 16206-78-5
 RL: MOA (Modifier or additive use); USES (Uses)
 (dispersant; manufacture of polyester compns. containing

alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)

IT 25038-59-9P, Dimethyl terephthalate-ethylene glycol copolymer, sru, preparation
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)
 (manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)

IT 1344-28-1, Alumina, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (with different crystal structures; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)

L41 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:1960 HCAPLUS Full-text
 DOCUMENT NUMBER: 126:32974
 TITLE: Oiling agent-treated scumming-free polyester fibers for industrial uses
 INVENTOR(S): Murata, Yoshe; Adachi, Yasuo; Umeda, Akira
 PATENT ASSIGNEE(S): Toray Industries, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08260350	A	19961008	JP 1995-61075	199503 20
				<--
JP 3296127	B2	20020624	JP 1995-61075	199503 20
				<--

AB Polyester fibers having monofilament fineness \geq 0.5 denier and sedimentation velocity \leq 30 s at 25° are obtained by treatment of polyester fibers with 0.05-0.4% oiling agents containing average C16-22 saturated aliphatic hydrocarbyl group-containing phosphate ester K salts 50-70, a paraffin wax 10-20, cationic surfactants and/or anionic surfactants 10-15, and R1N[(C2H4O)10H](C2H4O)mOH (R1 = C10-14 aliphatic hydrocarbyl; l + m = 5-15) and/or 4-R2C6H4(C2H4O)nOH (R2 = C8-10 aliphatic hydrocarbyl; n = 5-10) 4-15%. Waterproofing agents, polymers, etc., easily penetrate into the fibers, and no scum formation is observed during processing of the fibers. Thus, an oiling agent containing K stearyl phosphate 60, a paraffin wax 12, trimethyloctylammonium di-Me phosphate 12, polyoxyethylene laurylamine ether 4, polyoxyethylene nonylphenyl ether 4, and polyoxyethylene lauryl ether 8 parts was sprayed on a polyester tow, cut, carded, and drawn to show no scum formation.

IT 64937-29-1, Potassium stearyl phosphate 84381-79-0,
 , Potassium cetyl phosphate 85153-34-0,
 Trimethyloctylammonium dimethyl phosphate
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (oiling agent-treated scumming-free polyester fibers for industrial uses)

RN 68987-29-1 HCAPLUS
 CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H3 O4 P



CM 2

CRN 112-92-5
 CMF C18 H38 O



RN 84861-79-0 HCAPLUS
 CN 1-Hexadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 36653-82-4
 CMF C16 H34 O



CM 2

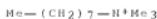
CRN 7664-38-2
 CMF H3 O4 P



RN 85153-34-0 HCAPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 15461-38-8
 CMF C11 H26 N



CM 2

CRN 7351-83-9
 CMF C2 H6 O4 P



IC ICM D06M013-292
 ICS D01F006-62; D06M013-02
 CC 40-7 (Textiles and Fibers)
 IT Surfactants
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (anionic; oiling agent-treated scumming-free polyester fibers for industrial uses)

IT Surfactants
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (cationic; oiling agent-treated scumming-free polyester fibers for industrial uses)

IT Canvas
 Lubricating oils
 (oiling agent-treated scumming-free polyester fibers for industrial uses)

IT Hydrocarbon waxes, uses
 Polyester fibers, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (oiling agent-treated scumming-free polyester fibers for industrial uses)

IT 9002-92-0, Polyoxyethylene lauryl ether 9016-45-9, Polyoxyethylene nonylphenyl ether 31017-83-1
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (oiling agent-treated scumming-free polyester fibers for industrial uses)

IT 68927-29-1, Potassium stearyl phosphate 84861-79-0,
 Potassium cetyl phosphate 85153-34-0,
 Trimethyloctylammonium dimethyl phosphate
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (oiling agent-treated scumming-free polyester fibers for industrial uses)

L41 ANSWER 27 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1995:833296 HCPLUS Full-text
 DOCUMENT NUMBER: 124:11398
 TITLE: Anionic-cationic surfactant mixtures
 for removing oily stains from fabrics
 INVENTOR(S): Mehreteab, Ammanuel; Loprest, Frank J.
 PATENT ASSIGNEE(S): Colgate Palmolive Co., USA
 SOURCE: U.S., 43 pp. Cont. of U.S. Ser. No.382, 127,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5441541	A	19950815	US 1992-829120	199201 31
US 5472455	A	19951205	US 1993-103948	199308 10
PRIORITY APPLN. INFO.:			US 1989-382137	B1 198907 19
			US 1992-829120	A1 199201 31

OTHER SOURCE(S): MARPAT 124:11398
 AB Water-soluble complexes of cationic surfactants such as (alkoxylated) quaternary ammonium compds. and anionic surfactants such as sulfate, sulfonate, carboxylate, or phosphate type exhibit better capability in removing oily stains from fabrics than either the cationic or anionic surfactant from which they are formed. A typical complex comprised tetradecyltrimethylammonium bromide and Emphos PS-236 (mixture of mono- and diester phosphates of a hydroxy-terminated alkoxide condensate).
 IT 1119-94-4, Dodecyltrimethylammonium bromide
 1119-97-7, Tetradecyltrimethylammonium bromide
 42612-52-2, Emphos PS 236
 RL: TEM (Technical or engineered material use); USES (Uses)
 (anionic-cationic surfactant mixts. for removing oily stains from fabrics)
 RN 1119-94-4 HCPLUS
 CN 1-Dodecanaminium, N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



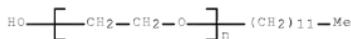
RN 1119-97-7 HCPLUS
 CN 1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



RN 42612-52-2 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -dodecyl- ω -hydroxy-, phosphate, sodium salt (CA INDEX NAME)

CM 1

CRN 9002-92-0
 CMF (C₂H₄O)_n C₁₂H₂₆O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H₃O₄P



IC ICM C11D001-18
 ICS C11D001-12; C11D001-38
 INCL 008137000
 CC 46-5 (Surface Active Agents and Detergents)
 ST laundry detergent oil stain remover; carboxylate surfactant mixt laundry detergent; sulfonate surfactant mixt laundry detergent; sulfate surfactant mixt laundry detergent; phosphate surfactant mixt laundry detergent; alkoxyolated quaternary ammonium mixt laundry detergent
 IT Phosphates, uses
 Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyalkoxylated; anionic-cationic surfactant mixts.
 for removing oily stains from fabrics)
 IT Polyoxyalkylenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (sulfate esters and quaternary ammonium derivs. and phosphate

esters; anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Soaps
RL: TEM (Technical or engineered material use); USES (Uses)
(coco, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Detergents
(laundry, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Soaps
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT 36563-57-2
RL: TEM (Technical or engineered material use); USES (Uses)
(Ethoquad T 20B; anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT 1119-94-4, Dodecyltrimethylammonium bromide
1119-97-7, Tetradecyltrimethylammonium bromide 9004-82-4
25155-30-0, Sodium dodecylbenzenesulfonate 28724-32-5, Ethoquad
18/25 42612-52-2, Emphos PS 236 171543-96-7, Alfonic
1214-65
RL: TEM (Technical or engineered material use); USES (Uses)
(anionic-cationic surfactant mixts. for removing oily stains from fabrics)

L41 ANSWER 28 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:753849 HCPLUS Full-text
DOCUMENT NUMBER: 123:343297
TITLE: Aerosol-type nonflammable finishing agent compositions for fibers
INVENTOR(S): Nakamura, Kazuto; Takeuchi, Katsuyuki
PATENT ASSIGNEE(S): Lion Corp, Japan
SOURCE: Jpn. Kokai Tokyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 07150469	A	19950613	JP 1993-329757	199311 30
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<-- PRIORITY APPLN. INFO.: JP 1993-329757			199311 30
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AB The compns. contain finishing components 0.1-5.0, ≥1 C1-4 alkanols 40-80, 1,1,1,2-tetrafluoroethane 20-56, and nonflammable compressed gases 0.1-3%. Thus, an aerosol spray comprising Defensa MCF 323 (F-based water repellent) 0.68, EtOH 76.55, HFC 134a 20.83, and CO2 1.94% showed good nonflammability.

IT 10378-14-0 35604-29-6, Polyethylene glycol lauryl ether phosphate sodium salt
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)

(antistatic agent; aerosol-type nonflammable finishing agent compns. for fibers)

RN 10378-14-0 HCPLUS

CN 1-Octadecanaminium, N-ethyl-N-methyl-N-octadecyl-, ethyl sulfate (1:1) (CA INDEX NAME)

CM 1

CRN 48028-76-8

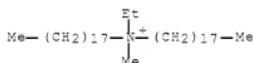
CMF C2 H5 O4 S



CM 2

CRN 45315-62-6

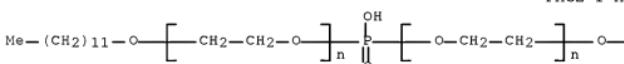
CMF C39 H82 N



RN 35604-29-6 HCPLUS

CN Poly(oxy-1,2-ethanediyl), α,α' -phosphinicobis[ω -dodecyloxy]-, sodium salt (1:1) (CA INDEX NAME)

PAGE 1-A



● Na

PAGE 1-B



IC ICM D06M013-08
 ICS C09K003-30; D06M023-06
 CC 40-9 (Textiles and Fibers)

IT Deodorants
 (deodorant; aerosol-type nonflammable finishing agent
 compns. for fibers)

IT Flavonoids
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (deodorant; aerosol-type nonflammable finishing agent
 compns. for fibers)

IT Fluoropolymers
 Siloxanes and Silicones, uses
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (water and oil repellent; aerosol-type nonflammable finishing
 agent compns. for fibers)

IT Sprays
 (aerosols, aerosol-type nonflammable finishing agent
 compns. for fibers)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); PRP (Properties); TEM
 (Technical or engineered material use); BIOL (Biological study);
 USES (Uses)
 (alkylbenzyldimethyl, chlorides, microbicide; aerosol-type
 nonflammable finishing agent compns. for
 fibers)

IT Siloxanes and Silicones, uses
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (amino, creaseproofing agents; aerosol-type
 nonflammable finishing agent compns. for
 fibers)

IT Siloxanes and Silicones, uses
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (quaternary ammonium group-containing, color-deepening agents
 ; aerosol-type nonflammable finishing agent
 compns. for fibers)

IT 169952-31-2D, quaternized
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (UV absorbers; aerosol-type nonflammable finishing agent
 compns. for fibers)

IT 64-17-5, Ethanol, uses 67-56-1, Methanol, uses 67-63-0,
 2-Propanol, uses 35296-72-1, Butanol
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (aerosol-type nonflammable finishing agent
 compns. for fibers)

IT 10378-14-0 35604-29-6, Polyethylene glycol lauryl
 ether phosphate sodium salt
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (antistatic agent; aerosol-type nonflammable finishing
 agent compns. for fibers)

IT 124-38-9, Carbon dioxide, uses 811-97-2, HFC 134a 7727-37-9,
 Nitrogen, uses
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (propellant; aerosol-type nonflammable finishing agent
 compns. for fibers)

IT 9016-00-6, Dimethyl siloxane 31900-57-9, Dimethylsilanediol

homopolymer 115515-73-6, Defensa MCF 312
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (water and oil repellent; aerosol-type nonflammable finishing
 agent compns. for fibers)
 IT 124759-27-9, Defensa MCF 323
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (water repellent; aerosol-type nonflammable finishing
 agent compns. for fibers)

L41 ANSWER 29 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:409753 HCPLUS Full-text
 DOCUMENT NUMBER: 117:9753
 TITLE: Use of alkanolamines as auxiliary curing
 agents and catalysts in finishing
 cellulosic textiles
 INVENTOR(S): Welch, C. M.
 PATENT ASSIGNEE(S): Agricultural Research Service, USA
 SOURCE: U. S. Pat. Appl., 48 pp. Avail. NTIS Order No.
 PAT-APPL-6-769 288.
 CODEN: XAXXAV
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 769288	A0	19920201	US 1991-769288	199110 01
<--				
US 1991-769288				
199110 01				
<--				

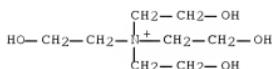
PRIORITY APPLN. INFO.:
 AB The use of tertiary alkanolamines containing ≥ 2 OH groups/mol. as auxiliary
 curing agents in the crosslinking of cellulosic textiles with polycarboxylic
 acids reduces catalyst requirements and increases the durability of the
 resulting smooth drying finish to laundering with alkaline detergents. Usable
 polycarboxylic acids include those containing ≥ 3 CO₂H groups per mol., and
 usable catalysts include alkali metal salts of P-containing inorg. acids.
 Addition of 1-3% triethanolamine (I) to a durable press bath finishing
 composition containing 1,2,3,4-butanetetracarboxylic acid (II) crosslinker
 6.0, Na hypophosphite curing catalyst 3.3, and nonionic emulsifier 0.5%
 increased the initial smooth drying performance of the treated cotton
 printcloth, even after >150 launderings, presumably due to chemical bonding of
 I to the cellulose of the cotton fabric. I served as a crosslinking
 accelerator and also as a modifier of the crosslinkages produced by II.

IT 4328-04-5, Tetraethanolammonium bromide 10017-56-8
 , Triethanolamine phosphoric acid salt 35365-94-7,
 Triethylammonium dihydrogen phosphate

RL: USES (Uses)
 (crosslinking catalyst and agent, for durable press
 finishing of cellulosic textiles)

RN 4328-04-5 HCPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-tris(2-hydroxyethyl)-, bromide (1:1)
 (CA INDEX NAME)



● Br -

RN 10017-56-8 HCAPLUS

CN Ethanol, 2,2',2'''-nitrilotris-, phosphate (1:?) (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

CRN 102-71-6

CMF C6 H15 N O3



RN 35365-94-7 HCAPLUS

CN Ethanamine, N,N-diethyl-, phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

CRN 121-44-8
CME C6 H15 N



IT 7558-79-4, Disodium phosphate 7558-80-7,
Monosodium phosphate 7601-54-9, Trisodium phosphate
7681-53-0, Sodium hypophosphite 7758-16-9
RL: CAT (Catalyst use); USES (Uses)
(crosslinking catalysts, for durable press finishing of
cellulosic fabrics)

RN 7558-79-4 HCPLUS

CN Phosphoric acid, sodium salt (1:2) (CA INDEX NAME)



●2 Na

RN 7558-80-7 HCPLUS

CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 7601-54-9 HCPLUS

CN Phosphoric acid, sodium salt (1:3) (CA INDEX NAME)



●3 Na

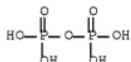
RN 7681-53-0 HCPLUS

CN Phosphinic acid, sodium salt (1:1) (CA INDEX NAME)

$\text{CH}_2=\text{PH}_2-\text{OH}$

● Na

RN 7758-16-9 HCAPLUS
 CN Diphosphoric acid, sodium salt (1:2) (CA INDEX NAME)



●₂ Na

CC 40-9 (Textiles and Fibers)
 Section cross-reference(s): 37
 IT Crosslinking agents
 (polycarboxylic acids, for durable press finishing of cellulosic
 textiles)
 IT Alcohols, uses
 RL: USES (Uses)
 (amino, crosslinking catalysts and agents, for durable
 press finishing of cellulosic textiles)
 IT 102-71-6, Triethanolamine, uses 122-20-3, Triisopropanolamine
 150-25-4, N,N-Bis(2-hydroxyethyl) glycine 4328-04-5,
 Tetraethanolammonium bromide 10017-56-8, Triethanolamine
 phosphoric acid salt 32154-53-3 35365-94-7,
 Triethylammonium dihydrogen phosphate
 RL: USES (Uses)
 (crosslinking catalyst and agent, for durable press
 finishing of cellulosic textiles)
 IT 7558-79-4, Disodium phosphate 7558-80-7,
 Monosodium phosphate 7601-54-9, Trisodium phosphate
 7681-53-0, Sodium hypophosphite 7758-16-9
 RL: CAT (Catalyst use); USES (Uses)
 (crosslinking catalysts, for durable press finishing of
 cellulosic fabrics)

L41 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:209200 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 114:209200
 TITLE: Fluid-permeable agent for nonwoven
 sheets of polyolefin fibers to impart improved
 hygroscopicity
 INVENTOR(S): Kato, Tomohiro; Takasu, Yoshio; Minafuji, Makoto
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: U.S., 6 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4988449	A	19910129	US 1989-400356	
				198908 30
JP 01006176	A	19890110	JP 1987-158162	<-- 198706 25
JP 03050030	B	19910731	JP 1987-158162	<-- A 198706 25
PRIORITY APPLN. INFO.:			US 1988-210636	<-- B2 198806 23
				<--

OTHER SOURCE(S): MARPAT 114:209200

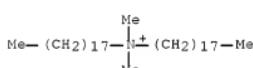
AB The title agent comprises 70-95% aliphatic diethanolamide RCON(CH₂CH₂OH)₂ (R = C₁₁-17 alkyl, alkenyl) and 5-30% polyoxyalkylene derivative nonionic surfactant, alkyl phosphate salt (R₁O)_aP(O)(OH)_b (R₁ = C₁₂-18 alkyl or alkenyl; M = Na, K, NH₄; a, b ≥ 1; a + b = 3), quaternary ammonium salts (R₂)₂(R₃)₂N⁺X⁻ (R₂ = C₁₂-18 alkyl or alkenyl; R₃ = H, C₁-2 alkyl or hydroxylalkyl, R₂; X = halo, residue of organic or inorg. acid, C₁-2 alkyl sulfate or phosphate), and/or alkylimidazolinium salt. Thus, a carded web of spun fibers from polyethylene as sheath and a polyester as core was treated with a mixture containing 50% stearic acid diethanolamide and 50% polyethylene glycol monostearate to give a web, which exhibited time required for absorption of 1 drop of H₂O 4 s, vs. 20 s for the web treated with Na sulfosuccinate.

IT 107-64-2, Dimethyldistearylammnonium chloride
68987-29-1, Potassium stearyl phosphate

RL: USES (Uses)
(hydrophilization agents, with stearicdiethanolamide,
for polyolefin fibers)

RN 107-64-2 HCPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)



● Cl-

RN 68987-29-1 HCPLUS

CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

CRN 112-92-5
CMF C18 H38 OHO—(CH₂)₁₇—He

IC ICM D06M013-10
 ICS D06M013-419; D06M013-473; D06M013-292
 INCL 252008800
 CC 40-9 (Textiles and Fibers)
 ST stearicdiethanolamide hydrophilization agent polyolefin fiber; hydrophilization polyolefin fiber; polyoxyethylene monostearate hydrophilization agent
 IT Polyester fibers, uses and miscellaneous
 RL: USES (Uses)
 (bicomponent with polyethylene fiber, hydrophilization agents for)
 IT Polyolefin fibers
 RL: USES (Uses)
 (hydrophilization agents for, aliphatic diethanolamide mixts. with nonionic surfactants, alkyl phosphate salts, quaternary ammonium salts and/or alkylimidazolinium salts as)
 IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (hydrophilization agents, with aliphatic diethanolamides, for polyolefin fibers)
 IT Synthetic fibers, polymeric
 RL: USES (Uses)
 (ethylene, bicomponent with polyester fibers, hydrophilization agents for, aliphatic diethanolamide mixts. with nonionic surfactants, alkyl phosphate salts, quaternary ammonium salts and/or alkylimidazolinium salts as)
 IT Surfactants
 (nonionic, hydrophilization agents, with aliphatic diethanolamides, for polyolefin fibers)
 IT 9002-88-4, Polyethylene
 RL: USES (Uses)
 (fiber, bicomponent with polyesters, hydrophilization agents for)
 IT 93-82-3, Stearicdiethanolamide
 RL: USES (Uses)
 (hydrophilization agents, for polyolefin fibers)
 IT 41080-66-4
 RL: USES (Uses)

(hydrophilization agents, with lauricdiethanolamide,
for polyolefin fibers)

IT 120-40-1, Lauricdiethanolamide
RL: USES (Uses)

(hydrophilization agents, with stearic acid
diethanolamide, for polyolefin fibers)

IT 107-64-2, Dimethylidistearyl ammonium chloride 9004-99-3,
Polyethylene glycol monostearate 9005-00-9, Polyethylene glycol
monostearyl ether 27252-75-1, Polyethylene glycol monoctyl ether
31587-81-2 47525-38-2 68987-29-1, Potassium stearyl

phosphate

RL: USES (Uses)

(hydrophilization agents, with stearicdiethanolamide,
for polyolefin fibers)

L41 ANSWER 31 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:613823 HCAPLUS Full-text

DOCUMENT NUMBER: 113:213823

TITLE: Finishing of cationic agent-treated
fabrics by anionic and amphoteric agents

INVENTOR(S): Nakao, Katsuaki; Ishido, Kazutaka; Sato, Koji

PATENT ASSIGNEE(S): Ipposha Oil and Industries Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 02080664	A	19900320	JP 1988-233311	198809 18

PRIORITY APPLN. INFO.: JP 1988-233311

198809
18

<--

AB Fabrics are treated with agents which provide cationic groups followed by treatment with anionic or amphoteric agents to give fabrics containing finishes having good durability and washfastness. A cotton fabric was impregnated with an aqueous solution containing 5.0% (3-chloro-2-hydroxypropyl)trimethylammonium chloride and 1.5% NaOH, squeezed, dried at 110°, washed, neutralized with AcOH, washed, dried, impregnated with an aqueous solution containing 5 g/L Royalsoft A 10 (sulfonate surfactant) at 60°, and squeezed to give a softened fabric showing retention of softness and water repellency after repeated washing.

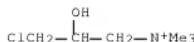
IT 3327-22-8 96550-06-0

RL: USES (Uses)

(fabrics modified by, cationic, for finishing with
anionic and amphoteric agents)

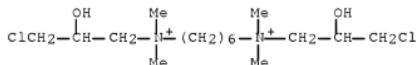
RN 3327-22-8 HCAPLUS

CN 1-Propanaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride (1:1)
(CA INDEX NAME)



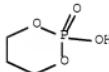
● Cl⁻

RN 96550-06-0 HCPLUS
 CN 1,6-Hexanediaminium, N1,N6-bis(3-chloro-2-hydroxypropyl)-N1,N1,N6,N6-tetramethyl-, chloride (1:2) (CA INDEX NAME)



●₂ Cl⁻

IT 3884-62-6
 RL: USES (Uses)
 (fireproofing agents, cationic fabrics containing, washfast)
 RN 3884-62-6 HCPLUS
 CN 1,3,2-Dioxaphosphorinane, 2-hydroxy-, 2-oxide, ammonium salt (9CI) (CA INDEX NAME)



● NH₃

IT 51161-67-2, Sodium stearyl phosphate
 RL: USES (Uses)
 (softening agents, cationic fabrics containing, washfast)
 RN 51161-67-2 HCPLUS
 CN Phosphoric acid, octadecyl ester, sodium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H₃ O₄ P



CM 2

CRN 112-92-5
CMF C18 H38 OHO—(CH₂)₁₇—Me

IC ICM D06M013-00
 ICS D06M013-46
 CC 40-9 (Textiles and Fibers)
 ST finish ionic fabric washfastness; amphoteric cationic finishing fabric; anionic cationic finishing fabric; chlorohydroxypropylammonium chloride finishing fabric; ammonium agent finishing fabric; softening finish fabric washfastness; water repellency finish fabric; sulfonate softener cationic fabric
 IT Antistatic agents
 Fireproofing agents
 Softening agents
 (anionic and amphoteric, cationic fabrics containing, washfast)
 IT Cotton
 Wool
 Acrylic fibers, uses and miscellaneous
 Polyester fibers, uses and miscellaneous
 Rayon, uses and miscellaneous
 RL: USES (Uses)
 (finishing of cationic, by anionic and amphoteric agents , washfast)
 IT 130175-81-4, Zwitter 77
 RL: USES (Uses)
 (antistatic agents, cationic fabrics containing, washfast)
 IT 3327-22-8 26062-79-3, Poly(dimethyldiallylammonium chloride) 96550-06-0 130141-02-5 130141-03-6
 130414-13-0
 RL: USES (Uses)
 (fabrics modified by, cationic, for finishing with anionic and amphoteric agents)
 IT 3084-62-6
 RL: USES (Uses)
 (fireproofing agents, cationic fabrics containing, washfast)
 IT 9004-34-6
 RL: USES (Uses)
 (rayon, finishing of cationic, by anionic and amphoteric agents, washfast)
 IT 51161-67-2, Sodium stearyl phosphate 130175-12-1, Royalsoft A 10 130175-17-6, Softner 750 130192-54-0
 RL: USES (Uses)

(softening agents, cationic fabrics containing,
washfast)

L41 ANSWER 32 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1987:441657 HCAPLUS Full-text
 DOCUMENT NUMBER: 107:41657
 TITLE: Antistatic agents for synthetic fibers
 INVENTOR(S): Saiki, Masaji; Imai, Yoshio; Takagi, Makoto
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61289182	A	19861219	JP 1985-130243	198506 14
US 4632767	A	19861230	US 1985-801941	198511 26
EP 209256	A1	19870121	EP 1986-304639	198606 16
EP 209256	B1	19881207		<--
R: DE, GB, IT				
PRIORITY APPLN. INFO.:			JP 1985-130243	A
				198506 14

AB Synthetic fibers finished with mixts. containing 5-50% quaternary ammonium phosphate salts RNR1R2X+.OP(O)[(OZ)1OR3](OZ)mOR4 or R5CONH(CH₂)nNR6R7Y+.O-P(O)[(OZ)1OR3](OZ1)mOR4 [R, R⁺ = C₈-18 alkyl or alkenyl; X, Y, R₆, R₇ = C₁-3 alkyl; R₄ = H, C₈-18 alkyl or alkenyl; R₅ = C₇-17 alkyl or alkenyl; R₁ = C₁-3 alkyl, (ZO)qH; R₂ = C₁-3 alkyl, (Z1O)rH; q, r = 2-40; q + r = 4-42; OZ, OZ1 = oxyethylene, oxypropylene; l, m = 0-20; l + m = 0-20; n = 2-3] with alkali metal halide content (a) ≤ 1% and 50-93% C≥18 alkyl phosphate ester alkali metal salts with alkyl group content >50% are antistatic and resistant to yellowing. Thus, polyester staple fibers were spray-coated (0.15%) with an emulsion containing 20 parts trimethylstearyl ammonium stearyl phosphate (I; a 0.10%) and 80 parts hexadecyl octadecyl phosphate K salt to give fiber with elec. resistance 7.2 Ω (at 25° and 40% relative humidity) and 10.5 Ω (at 25° and 63% relative humidity). These fibers showed good resistance to yellowing, in contrast to fibers finished with a similar composition containing I with a 1.43%.

IT 107008-33-3 107008-36-6 109371-05-9

RL: USES (Uses)

(antistatic agents, with low metal halide content,
synthetic fiber treatment with alkyl phosphate
potassium salt and, for reduced yellowing)

RN 107008-33-3 HCAPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 45102-33-8
CMF C8 H18 O4 P

CM 2

CRN 15461-38-8
CMF C11 H26 N

RN 107008-36-6 HCPLUS
 CN 1-Octadecanaminium, N,N,N-trimethyl-, octadecyl phosphate (1:1)
 (9CI) (CA INDEX NAME)

CM 1

CRN 92523-67-6
CMF C18 H38 O4 P

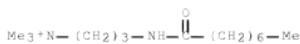
CM 2

CRN 15461-40-2
CMF C21 H46 N

RN 109371-35-9 HCPLUS
 CN 1-Propanaminium, N,N,N-trimethyl-3-[(1-oxooctyl)amino]-, octyl
 phosphate (1:1) (9CI) (CA INDEX NAME)

CM 1

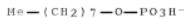
CRN 100772-84-7
CMF C14 H31 N2 O



CM 2

CRN 45102-33-8

CMF C8 H18 O4 P



IC ICM D06M013-44

ICS D06M013-32

CC 40-9 (Textiles and Fibers)

ST discoloration resistant antistatic polyester fiber; yellowing
resistant antistatic polyester fiber; quaternary ammonium compd
antistatic agent fiber; methylstearylammmonium stearyl
phosphate antistatic agent fiber; potassium alkyl
phosphate antistatic agent fiber

IT Quaternary ammonium compounds, uses and miscellaneous

RL: USES (Uses)

(antistatic agents, with low metal halide content,
synthetic fiber treatment with potassium alkyl phosphates and,
for reduced yellowing)

IT Antistatic agents

(potassium alkyl phosphates containing quaternary ammonium phosphate
esters with low metal halide content as, for synthetic fibers,
for reduced yellowing)

IT 107008-33-3 107008-36-6 109301-52-2

109371-35-9

RL: USES (Uses)

(antistatic agents, with low metal halide content,
synthetic fiber treatment with alkyl phosphate
potassium salt and, for reduced yellowing)

IT 108549-58-2

RL: USES (Uses)

(antistatic agents, with quaternary ammonium phosphate
esters with low metal halide content, for finishing of synthetic
fibers with reduced yellowing)

L41 ANSWER 33 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1987:198157 HCPLUS Full-text

DOCUMENT NUMBER: 106:198157

TITLE: Final rinse softening agents

INVENTOR(S): Rosas Girones, Antonio; Vilamajo Sitjar, Lluis;
Schindler, Norbert

PATENT ASSIGNEE(S): Henkel Iberica S. A., Spain

SOURCE: Span., 22 pp.

CODEN: SPXXAD

DOCUMENT TYPE: Patent

LANGUAGE: Spanish

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

2/8/2008

ES 542482 A1 19851216 ES 1985-542482

198503
29

PRIORITY APPLN. INFO.:

<--
ES 1985-542482

198503
29

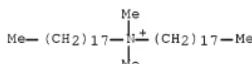
AB The title compns. are prepared by charging a reactor with a quaternary ammonium compound, agitating between ambient temperature and 60° until a complete dispersion is obtained, adding an acidic compound and cold water, agitating at ≤37°, adding a reduction agent, agitating at 25°, and adding antimicrobial agents, dispersants, perfumes, colorants, and foam regulators under agitation until a homogeneous mass is formed, the pH of which is adjusted to ≤4. In this manner a softening composition was prepared from dimethyldistearyl ammonium chloride 3, orthophosphoric acid 15, H2O2 1, and hydroxyethylmethylethylenediaminetriacetic acid 1%, forming a stable clear liquid with a pH 1. The composition was used in an industrial washing apparatus at 5 g/L of rinse water at 25°, producing hypochlorite-bleached, washed fabrics which were soft to the touch and did not have the odor of Cl.

IT 107-64-2, Dimethyldistearyl ammonium chloride
7558-80-7, Sodium dihydrogen phosphate

RL: USES (Uses)
(softening compns. containing, final-rinse, for
fabrics)

RN 107-64-2 HCPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA
INDEX NAME)



● Cl-

RN 7558-80-7 HCPLUS

CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

IC ICM C11D001-66
ICS C11D003-06; C11D003-39; C11D003-60
CC 46-3 (Surface Active Agents and Detergents)
Section cross-reference(s): 40

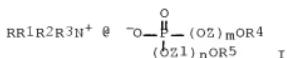
ST quaternary ammonium compd softener textile; chlorine odor removing softening agent; stearylammmonium softener textile; phosphoric acid softener textile; peroxide softener textile; hydroxyethyl ethylenediamine acetic softener textile
 IT Synthetic fibers
 RL: USES (Uses)
 (fabrics, softening compns. for final rinsing of, with acid-neutralizing and chlorine-odor-removing properties)
 IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (softening compns. containing, final-rinse, for fabrics)
 IT Softening agents
 (with acid-neutralizing and chlorine-odor-removing properties, for final rinsing of fabrics)
 IT 107-64-2, Dimethyldistearylammonium chloride 150-39-0,
 Hydroxyethylmethylethylenediaminetriacetic acid 2809-21-4 5064-31-3
 7558-89-7, Sodium dihydrogen phosphate 7664-38-2, uses and
 miscellaneous 7722-84-1, Hydrogen peroxide, uses and miscellaneous
 108180-56-9D, tallow alkyl derivs., methosulfate salts
 RL: USES (Uses)
 (softening compns. containing, final-rinse, for fabrics)

L41 ANSWER 34 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1987:121365 HCAPLUS Full-text
 DOCUMENT NUMBER: 106:121365
 TITLE: Antistatic agents for synthetic fibers
 INVENTOR(S): Saiki, Masaji; Imai, Yoshio; Takagi, Makoto
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	

JP 61108767	A	19860527	JP 1984-230882	198410 31
				<--
JP 64000504	B	19890106	JP 1984-230882	198410 31
PRIORITY APPLN. INFO.:				

GI



AB The title compds. are composed of quaternary ammonium phosphates I or II [R, R₄ = C₈-18 alkyl or alkenyl; R₂, R₇, R₈, R₉ = Cl-3 alkyl; R₅ = H, C₈-18 alkyl, C₈-18 alkenyl; R₆ = C₇-17 alkyl or alkenyl; R₁ = Cl-3 alkyl, (Z₀)yH; R₃ = Cl-3 alkyl, (Z₁₀)zH; Z, Z₁ = CH₂CH₂, CH₂CH₂CH₂, or mixture thereof (either block or random); m, n = 0-20; m + n = 0-20; x = 2-3; y, z = 2-40; y + z = 4-42] containing ≤1% byproduct alkali metal halides. The compds. exhibit antistatic effects under varying humidities, have good adhesion, and show reduced yellowing and rust formation. Thus, 1 mol phosphoric anhydride was added to 3 mol octyl alc. at 60-70° over 1 h and heated at 70° for 3 h to prepare a mixture of mono- and dioctyl phosphates. Sep., 0.5 mol dimethyloctylamine and 0.5 mol MeCl were heated at 60-70° for 3 h, 0.5 mol NaOMe (in MeOH) was added, and NaCl was filtered to give a MeOH solution of trimethyloctylammonium methoxide. The MeOH solution was mixed with 0.5 mol of the mixed phosphates, the MeOH was distilled off, and H₂O was added to give 50% aqueous solution of I [R = octyl, R₁, R₂, R₃ = Me, R₄ = octyl, R₅ = H, octyl m = n = 0], which was not corrosive to knitting needles, showed elec. resistance 1.2 Ω (25°, 40% relative humidity, 24 h) and 8.8 Ω (25°, 65% relative humidity, 24 h), good adhesion to polyester staple fibers, and produced friction static charge 100 V when applied to acrylic fibers.

IT 107008-30-0P 107008-31-1P 107008-32-2P
 107008-33-3P 107008-34-4P 107008-35-5P
 107008-36-6P 107009-12-1P 107009-13-2P
 107009-18-7P 107009-19-8P 107032-61-1P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of, as antistatic agents for synthetic
 fibers)

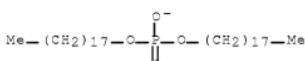
RN 107008-30-0 HCPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, dioctadecyl phosphate (9CI) (CA
 INDEX NAME)

CM 1

CRN 84841-00-9

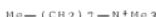
CMF C36 H74 O4 P



CM 2

CRN 15461-38-8

CMF C11 H26 N



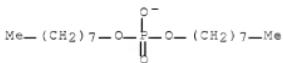
RN 107008-31-1 HCPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, dioctyl phosphate (9CI) (CA

INDEX NAME)

GM 1

CRN 45261-23-2
CMF C16 H34 Q4 P



CM 2

CRN 15461-40-2
CMF C21 H46 N

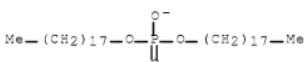
$$\text{Me}_3\text{Si}-\text{N}=\text{(CH}_2\text{)}_{17}\text{-Me}$$

BN 107008-32-2 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, dioctadecyl phosphate (9CI)
(CA INDEX NAME)

CM 1

CRN 84841-00-9
CMF C36 H74 Q4 P



CM 3

CRN 15461-40-2
CMF C21 H46 N

$$\text{Mg}^{2+} + \text{N} = (\text{CH}_2)_1 \text{N} = \text{Mg}$$

BN 107008-33-3 HCABLIJS

RN 107-06-55-5 HCAELOS
CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX NAME)

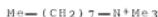
CM 1

CRN 45102-33-8
 CMF C8 H18 O4 P



CM 2

CRN 15461-38-8
 CMF C11 H26 N



RN 107008-34-4 HCPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, octadecyl phosphate (1:1) (9CI)
 (CA INDEX NAME)

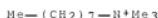
CM 1

CRN 92523-67-6
 CMF C18 H38 O4 P



CM 2

CRN 15461-38-8
 CMF C11 H26 N



RN 107008-35-5 HCPLUS
 CN 1-Octadecanaminium, N,N,N-trimethyl-, octyl phosphate (9CI) (CA INDEX NAME)

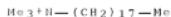
CM 1

CRN 45102-33-8
 CMF C8 H18 O4 P



CM 2

CRN 15461-40-2
CMF C21 H46 N



RN 107008-36-6 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, octadecyl phosphate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 92523-67-6
CMF C18 H38 O4 I



CM 2

CRN 15461-40-2
CMF C21 H46 N



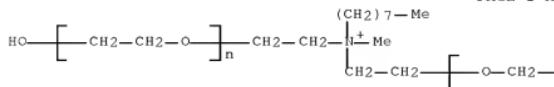
RN 107009-12-1 HCAPLUS

CN Phosphoric acid, dioctyl ester, ion(1-), α , α' -[(methyloctylaminio)-di-2,1-ethanediyl]bis[ω -hydroxypoly(oxy-1,2-ethanediyl)] (SCI) (CA INDEX NAME)

CM 1

CRN 73602-09-2
CMF (C₂ H₄ O)_n (C₂ H₄ O)_n C₁₃ H₃₀ N O₂
CCI PMS

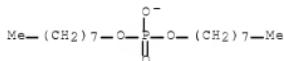
PAGE 1-A



PAGE 1-B



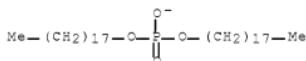
CM 2

CRN 45261-23-2
CMF C16 H34 O4 P

RN 107009-13-2 HCAPLUS

CN Phosphoric acid, dioctadecyl ester, ion(1-), α,α' -[(methyloctadecylimino)di-2,1-ethanediyl]bis[ω -hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

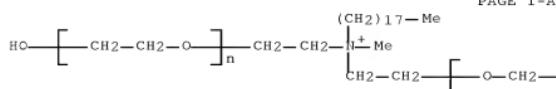
CM 1

CRN 84841-00-9
CMF C36 H74 O4 P

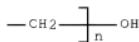
CM 2

CRN 45306-10-3
CMF (C₂H₄O)_n (C₂H₄O)_n C₂₃H₅₀N O₂
CCI PMS

PAGE 1-A



PAGE 1-B



RN 107009-18-7 HCPLUS

CN Phosphoric acid, monoocetyl ester, ion(1-), α,α' -[(methyloctyliminio)di-2,1-ethanediyl]bis[ω -hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

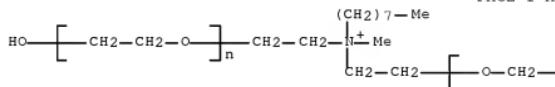
CM 1

CRN 73602-09-2

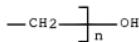
CMF (C₂H₄O)_n (C₂H₄O)_n C₁₃H₃₀N O₂

CCI PMS

PAGE 1-A



PAGE 1-B



CM 2

CRN 45102-33-8

CMF C₈H₁₈O₄P

RN 107009-19-8 HCPLUS

CN 1-Octadecanol, dihydrogen phosphate, ion(1-), salt with α,α' -[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω -hydroxypoly(oxy-1,2-ethanediyl)] (1:1) (9CI) (CA INDEX NAME)

CM 1

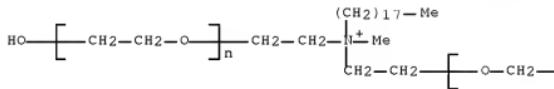
CRN 92523-67-6
 CMF C18 H38 O4 P



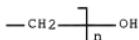
CM 2

CRN 45306-10-3
 CMF (C2 H4 O)n (C2 H4 O)n C23 H50 N O2
 CCI PMS

PAGE 1-A



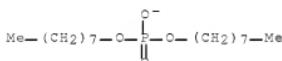
PAGE 1-B



RN 107032-61-1 HCPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, dioctyl phosphate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 45261-23-2
 CMF C16 H34 O4 P



CM 2

CRN 15461-38-8
 CMF C11 H26 N



IC ICM D06M013-44
 CC 40-9 (Textiles and Fibers)
 ST quaternary ammonium phosphate antistatic agent; elec
 resistance quaternary ammonium phosphate; yellowing quaternary
 ammonium phosphate; anticorrosive quaternary ammonium phosphate;
 polyester fiber antistatic agent
 IT Synthetic fibers, polymeric
 RL: USES (Uses)
 (antistatic agents for, quaternary ammonium phosphates
 as)
 IT Antistatic agents
 (quaternary ammonium phosphates, for synthetic fibers)
 IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (phosphates, tetraalkylammonium, as antistatic agents
 for synthetic fibers)
 IT 107008-30-0P 107008-31-1P 107008-32-2P
 107008-33-3P 107008-34-4P 107008-35-5P
 107008-36-6P 107009-09-6P 107009-11-0P
 107009-12-1P 107009-13-2P 107009-15-4P
 107009-17-6P 107009-18-7P 107009-19-8P
 107032-61-1P 107257-42-1P 107257-43-2P 107257-44-3P
 107308-91-8P
 RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of, as antistatic agents for synthetic
 fibers)

L41 ANSWER 35 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1982:583916 HCAPLUS Full-text
 DOCUMENT NUMBER: 97:183916
 ORIGINAL REFERENCE NO.: 97:30781a,30784a
 TITLE: Antistatic agents for synthetic fibers
 PATENT ASSIGNEE(S): Kao Soap Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 57082576	A	19820524	JP 1980-159041	198011 12
<--				
JP 59053396	B	19841225	JP 1980-159041	198011 12
<--				

AB Synthetic fibers finished with compns. containing cationic cellulose (I),
 cationic starch, or a chitosan inorg. acid salt and RR1R2PO4, where R, R1, or

R2 is H, NH₄, or alkali metal, and (or) a deliquescent or hygroscopic amine salt have improved antistatic properties at low relative humidity. Thus, a polyester jersey was immersed in an aqueous composition containing 0.02% I (Polymer JR 30M [55466-13-2]) and 0.15% guanidine hydrochloride (II) [50-01-1] to 90% pickup, dried, and heat-treated 1 min at 180°. The electrostatic charge of the treated fabric at 20% relative humidity was 100 V, compared with 11,000 V for a fabric finished with a similar composition without II.

IT 7778-77-0

RL: USES (Uses)

(antistatic agents, containing cationic cellulose for acrylic fibers)

RN 7778-77-0 HCPLUS

CN Phosphoric acid, potassium salt (1:1) (CA INDEX NAME)



● K

IT 7722-76-1

RL: USES (Uses)

(antistatic agents, containing cationic cellulose, for polyester fibers)

RN 7722-76-1 HCPLUS

CN Phosphoric acid, ammonium salt (1:1) (CA INDEX NAME)



● NH₃

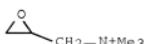
IT 3033-77-0D, reaction products with starch

RL: USES (Uses)

(antistatic agents, for nylon fibers)

RN 3033-77-0 HCPLUS

CN 2-Oxiranemethanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

IT 7558-99-7

2/8/2008

RL: USES (Uses)
 (antistatic agents, with cationic starch, for nylon
 fibers)

RN 7558-80-7 HCPLUS

CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

IC D06M015-04; D06M011-04; D06M011-08; D06M013-36; D06M015-20
 CC 40-9 (Textiles)

ST cellulose cationic antistatic agent; guanidine
 hydrochloride antistatic agent; polyester fiber antistatic
 finishing; antistatic finishing synthetic fiber

IT Acrylic fibers, uses and miscellaneous

RL: USES (Uses)
 (antistatic agents for, cationic cellulose and calcium
 chloride and (or) potassium dihydrogen phosphate as)

IT Polyamide fibers, uses and miscellaneous

RL: USES (Uses)
 (antistatic agents for, cationic starch and guanidine
 hydrochloride or sodium dihydrogen phosphate as)

IT Polyester fibers, uses and miscellaneous

RL: USES (Uses)
 (antistatic agents for, cationic starch or cationic
 cellulose and amine salts and (or) phosphoric acid salts as)

IT Antistatic agents
 (cationic cellulose, cationic starch or chitosan hydrochloride
 and amine salts and (or) phosphoric acid salts, for synthetic
 fibers)

IT 593-51-1 1302-42-7 7447-41-8, uses and miscellaneous 7646-93-7

RL: USES (Uses)
 (antistatic agents containing, for synthetic fibers)

IT 81859-24-7

RL: USES (Uses)
 (antistatic agents, containing calcium chloride and (or)
 potassium dihydrogen phosphate, for acrylic fibers)

IT 7778-77-0 10043-52-4, uses and miscellaneous

RL: USES (Uses)
 (antistatic agents, containing cationic cellulose for
 acrylic fibers)

IT 50-01-1

RL: USES (Uses)
 (antistatic agents, containing cationic cellulose or
 cationic starch, for synthetic fibers)

IT 7722-76-1

RL: USES (Uses)
 (antistatic agents, containing cationic cellulose, for
 polyester fibers)

IT 7790-69-4 13453-80-0

RL: USES (Uses)
 (antistatic agents, containing chitosan hydrochloride, for

polyester fibers)

IT 81859-24-7
 RL: USES (Uses)
 (antistatic agents, containing guanidine hydrochloride and
 (or) ammonium dihydrogen phosphate, for polyester fibers)

IT 3033-77-0D, reaction products with starch
 RL: USES (Uses)
 (antistatic agents, for nylon fibers)

IT 7558-80-7
 RL: USES (Uses)
 (antistatic agents, with cationic starch, for nylon
 fibers)

IT 9005-25-8D, reaction products with glycidyltrimethyl ammonium
 chloride
 RL: USES (Uses)
 (antistatic agents, with guanidine hydrochloride or
 sodium dihydrogen phosphate, for nylon fibers)

IT 70694-72-3
 RL: USES (Uses)
 (antistatic agents, with lithium nitrate or lithium
 dihydrogen phosphate, for polyester fibers)

IT 9004-34-6D, cationic
 RL: USES (Uses)
 (antistatic agents, with phosphoric acid salts or amine
 salts, for synthetic fibers)

L41 ANSWER 36 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1982:529089 HCAPLUS Full-text

DOCUMENT NUMBER: 97:129089

ORIGINAL REFERENCE NO.: 97:21441a,21444a

TITLE: Particulate softening agents for
 fabrics

PATENT ASSIGNEE(S): Lion Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 57061769	A	19820414	JP 1980-136139	198009 30

PRIORITY APPLN. INFO.: JP 1980-136139

198009
30

<--

AB Particulate compns. containing a cationic surfactant N+RR1R2R3X-, where R or R1 is C22-24 alkyl, R2 or R3 is C1-4 alkyl, benzyl, C2-4 hydroxyalkyl, or poly(oxalkylene) containing group, and X is a halogen, MeSO₄ or EtSO₄, and a water-soluble salt have improved storage stability and are useful as softening agents for laundered fabrics. Thus, 100 g dibehenyldimethylammonium chloride (I) [26597-36-4] melt and 100 g Na tripolyphosphate were mixed and pulverized. A nylon tricot was laundered, rinsed with a liquor containing 0.4 g (as I) pulverized particles in 30L H₂O for 3 min, and dried to give a fabric with soft handle rating (5 is best rating and 1 is poor rating) 4.8 and 4.5

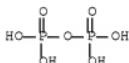
(after storage of particles for 7 days), compared with 4.7 and 2.8, resp., for a fabric rinsed with a similar composition containing dimethyldistearylammnonium chloride instead of I.

IT 7722-88-5 7758-29-4 10124-56-8

RL: USES (Uses)
(cationic softening agents containing, for fabrics
)

RN 7722-88-5 HCPLUS

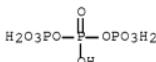
CN Diphosphoric acid, sodium salt (1:4) (CA INDEX NAME)



●4 Na

RN 7758-29-4 HCPLUS

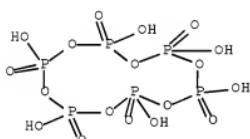
CN Triphosphoric acid, sodium salt (1:5) (CA INDEX NAME)



●5 Na

RN 10124-56-8 HCPLUS

CN Metaphosphoric acid (H₆P₆O₁₈), sodium salt (1:6) (CA INDEX NAME)



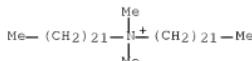
●6 Na

IT 26597-36-4

RL: USES (Uses)
(softening agents, containing water-soluble salts, for
fabrics)

RN 26597-36-4 HCPLUS

CN 1-Docosanaminium, N-docosyl-N,N-dimethyl-, chloride (1:1) (CA INDEX NAME)



● C1-

IC D06M013-46; D06M011-04
 CC 40-9 (Textiles)
 Section cross-reference(s): 46
 IT Softening agents
 (quaternary ammonium compds., containing water-soluble salts,
 storage-stable, for laundered fabrics)
 IT Wearing apparel
 Acrylic fibers, uses and miscellaneous
 Polyamide fibers, uses and miscellaneous
 RL: USES (Uses)
 (softening agents for, quaternary ammonium compds.
 containing water-soluble salts as)
 IT Surfactants
 (cationic, softening agents, containing water-soluble salts,
 storage-stable, for fabrics)
 IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (tetraalkyl, softening agents, containing water-soluble salts,
 storage-stable, for fabrics)
 IT 1302-42-7 1344-09-8 7446-70-0, uses and miscellaneous
 7722-88-5 7758-29-4 10043-01-3 10043-67-1
 10124-56-8
 RL: USES (Uses)
 (cationic softening agents containing, for fabrics
)
 IT 26597-36-4
 RL: USES (Uses)
 (softening agents, containing water-soluble salts, for
 fabrics)

L41 ANSWER 37 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1979:170125 HCAPLUS Full-text
 DOCUMENT NUMBER: 90:170125
 ORIGINAL REFERENCE NO.: 90:27011a,27014a
 TITLE: Antistatic agents for finishing of
 synthetic fabrics
 INVENTOR(S): Ito, Ryuichi; Kawanaka, Kazue; Yoshida, Hiroshi;
 Iwazuki, Toshihiro
 PATENT ASSIGNEE(S): Sanyo Chemical Industries Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----

JP 53135000 A 19781125 JP 1977-49663 197704
JP 59020789 B 19840515 JP 1977-49663 A 197704
PRIORITY APPLN. INFO.: <-- 28

AB Antistatic polyester, nylon, or acrylic fabrics, with improved durability, were prepared by treating the fabrics with a mixture of an ionic surfactant and Ca(NO₃)₂ or Mg(NO₃)₂. Thus, a polyester fabric was immersed in an aqueous mixture containing 1% of a mixture of 30 g Mg(NO₃)₂·6H₂O, 70 g 15% lauryltrimethylammonium methosulfate [113623-06-8], and 5% Zolon FR [42610-79-7] (waterproofing agent) to 80% pickup, dried, and heat-set 30 s at 180° to give a fabric having elec. resistance at 30% relative humidity 5 + 109 Ω and 7 + 109 Ω (after dry cleaning), compared with >1012 Ω for an untreated fabric.

IT 12623-66-

RL: USES (Uses)
(antistatic agents, for polyester or nylon
fibers)

BN 13633-06-8 HCABRIUS

RN 13623-06-6 RCAF005
CN 1-Dodecanaminium, N,N,N-trimethyl-, methyl sulfate (1:1) (CA INDEX NAME)

CM 1

CBN 21228-90-0

CMF C H3 94 S

$\text{Mg} = \text{O} = \text{SO}_3^-$

CM 2

CRN 10182-91-9
CMF C15 H34 N

$$\text{Me}_3\text{N}^+ - (\text{CH}_2)^{11} - \text{Me}$$

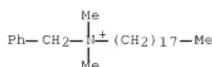
IT 122-19-0 33403-10-0

RL: USES (Uses)

(antistatic composition containing, for polyester fibers, for improved durability)

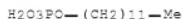
RN 122-19-0 HCAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)



● Cl-

RN 33403-10-0 HCAPLUS
 CN Phosphoric acid, monododecyl ester, potassium salt (CA INDEX NAME)



● x K

IC D06M011-04
 CC 39-10 (Textiles)
 ST polyester fabric antistatic finishing; nylon fabric antistatic finishing; polyamide fabric antistatic finishing; acrylic fabric antistatic finishing; calcium nitrate antistatic agent; magnesium nitrate antistatic agent; surfactant textile antistatic finishing; durability antistatic synthetic fabric
 IT Antistatic agents
 (calculus nitrate or magnesium nitrate and ionic surfactants, for polyester, nylon, and acrylic fibers)
 IT Surfactants
 (ionic, antistatic composition containing, for synthetic fibers)
 IT 7631-86-9, uses and miscellaneous
 RL: USES (Uses)
 (antifriction agents, for polyester fibers)
 IT 10377-60-3
 RL: USES (Uses)
 (antistatic agents, for polyester or acrylic fibers)
 IT 10124-37-5 13623-06-8
 RL: USES (Uses)
 (antistatic agents, for polyester or nylon fibers)
 IT 10471-50-8
 RL: USES (Uses)
 (antistatic composition containing, for nylon fibers, for improved durability)
 IT 122-19-6 683-10-3 33403-10-0
 RL: USES (Uses)
 (antistatic composition containing, for polyester fibers, for improved durability)
 IT 9003-08-1
 RL: USES (Uses)
 (finishing agents, for polyester fibers)
 IT 69913-46-8
 RL: USES (Uses)
 (softening agents, for polyester fibers)
 IT 79-10-7D, perfluoroalkyl esters, polymers 42610-79-7
 RL: USES (Uses)

(waterproofing agents, for polyester fibers)

L41 ANSWER 38 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1979:169476 HCPLUS Full-text
 DOCUMENT NUMBER: 90:169476
 ORIGINAL REFERENCE NO.: 90:26919a,26922a
 TITLE: Studies on the production of antielectrostatic
 agents and the possibility of their use
 in the leather industry
 AUTHOR(S): Gasiorowski, Kazimierz Paweł
 CORPORATE SOURCE: Cent. Lab. Przem. Obuwniczego, Pol.
 SOURCE: Przegląd Skorzany (1978), 33(8), 257-9
 DOCUMENT TYPE: CODEN: PRZKAX; ISSN: 0370-1743
 LANGUAGE: Journal
 Polish
 AB The addition of 0.05-0.5% of diethyl(2-hydroxyethyl)(3-
 stearamidopropyl)ammonium nitrate [69734-09-4] or diethyl(2-hydroxypropyl)(3-
 stearamidopropyl)ammonium dihydrogen phosphate [69762-12-5] to Blenden P-
 II/005/D1-00 [69771-38-6] (polyolefin), Blenden P-I/010/P1-00 [69771-39-7]
 (polyolefin), or Polwinit SO [69771-78-4] brought their elec. surface
 resistance to 1011 Ω level. Thus treated polyolefins could be used as
 coatings for textiles with properties suitable for footwear manufacture
 IT 69734-09-4 69762-12-5

RL: USES (Uses)
 (antistatic agents, for plastic-coated textiles
 , for footwear)

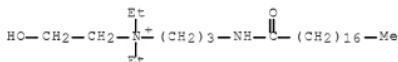
RN 69734-09-4 HCPLUS

CN 1-Propanaminium, N,N-diethyl-N-(2-hydroxyethyl)-3-[(1-
 oxooctadecyl)amino]-, nitrate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 61792-33-4

CMF C27 H57 N2 O2



CM 2

CRN 14797-55-8

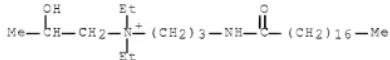
CMF N O3



RN 69762-12-5 HCPLUS

CN 1-Propanaminium, N,N-diethyl-2-hydroxy-N-[3-[(1-
 oxooctadecyl)amino]propyl]-, phosphate (1:1) (salt) (9CI) (CA INDEX
 NAME)

CM 1

CRN 69762-11-4
CMF C28 H59 N2 O2

CM 2

CRN 14066-20-7
CMF H2 O4 P

CC 36-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 41
 ST antistatic agent ammonium salt; footwear plastic coated textile; polyolefin coated textile footwear
 IT Coating materials
 (for textile footwear materials, antistatic agents for)
 IT Textiles
 (plastic-coated footwear materials, antistatic agents for)
 IT Footwear
 (plastic-coated textiles for, antistatic agents for)
 IT Antistatic agents
 (quaternary ammonium compds., for plastic-coated textile footwear materials)
 IT 69734-09-4 69762-12-5
 RL: USES (Uses)
 (antistatic agents, for plastic-coated textiles, for footwear)
 IT 69771-38-6 69771-39-7 69771-78-4
 RL: TEM (Technical or engineered material use); USES (Uses)
 (coatings, for textile footwear materials, antistatic agents for)

L41 ANSWER 39 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1979:40552 HCPLUS Full-text
 DOCUMENT NUMBER: 90:40552
 ORIGINAL REFERENCE NO.: 90:6531a,6534a
 TITLE: Textile softener composition with antistatic action
 INVENTOR(S): Seugnet, Monique
 PATENT ASSIGNEE(S): Colgate-Palmolive Co., USA

SOURCE: Ger. Offen., 26 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2812118	A1	19781012	DE 1978-2812118	197803 20
US 4118327	A	19781003	US 1977-777994	197703 28
ZA 7801293	A	19791031	ZA 1978-1293	197803 06
SE 7802637	A	19780929	SE 1978-2637	197803 08
SE 447916	B	19861222		<--
SE 447916	C	19870402		
DK 7801266	A	19780929	DK 1978-1266	197803 21
FR 2385839	A1	19781027	FR 1978-8334	197803 22
FR 2385839	B1	19830121		<--
AU 7834485	A	19790927	AU 1978-34485	197803 23
AU 524240	B2	19820909		<--
CA 1105659	A1	19810728	CA 1978-299595	197803 23
GB 1600907	A	19811021	GB 1978-11721	197803 23
AT 7802076	A	19830215	AT 1978-2076	197803 23
AT 372421	B	19831010		<--
BE 865367	A1	19780717	BE 1978-186312	197803 28
NL 7803287	A	19781002	NL 1978-3287	

197803
28

CH 648982 A3 19850430 CH 1978-3297
<--
197803
28

CH 648982 B5 19851031 US 1977-777994 A
PRIORITY APPLN. INFO.: <--
197703
28
<--

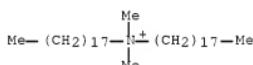
AB Ethoxylated monoalkyl and dialkyl phosphates, such as Hostaphat MDGE S 080 (I) [68822-05-9] or Gafac RS 710 [12674-36-1], are used with quaternary ammonium compds. to prepare antistatic and softening agents suitable for application to laundered fabrics, especially nylon, during rinsing. Thus, water containing 1% I and 6% dimethylidistearyl ammonium chloride [107-64-2] was used as an antistatic and softening agent.

IT 107-64-2

RL: USES (Uses)
(antistatic and softening agents containing ethoxylated phosphate esters and, for textiles)

RN 107-64-2 HCPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)



● Cl-

IT 9046-01-9 39464-66-9

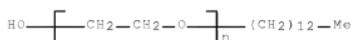
RL: USES (Uses)
(antistatic and softening agents containing quaternary ammonium compds. and, for textiles)

RN 9046-01-9 HCPLUS

CN Poly(oxy-1,2-ethanediyl), α -tridecyl- ω -hydroxy-, phosphate (CA INDEX NAME)

CM 1

CRN 24938-91-8
CMF (C₂H₄O)_n C₁₃H₂₈O
CCI PMS



CM 2

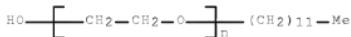
CRN 7664-38-2
 CMF H3 O4 P



RN 39464-66-9 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), α -dodecyl- ω -hydroxy-,
 phosphate (CA INDEX NAME)

CM 1

CRN 9002-92-0
 CMF (C2 H4 O)n C12 H26 O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H3 O4 P



IC D06M013-32
 CC 46-4 (Surface Active Agents and Detergents)
 ST antistatic ethoxylate phosphate ester textile; softener antistatic agent textile; quaternary ammonium softener textile; nylon fabric antistatic softener
 IT Polyanide fibers, uses and miscellaneous
 RL: USES (Uses)
 (antistatic and softening agents for)
 IT Antistatic agents
 (ethoxylated monoalkyl and dialkyl phosphates, for textiles)
 IT Softening agents
 (quaternary ammonium compds., containing ethoxylated phosphate esters, for textiles)
 IT 107-64-2
 RL: USES (Uses)
 (antistatic and softening agents containing ethoxylated phosphate esters and, for textiles)

IT 75-21-8D, reaction products with monoalkyl and dialkyl phosphates
 3046-01-3 25322-68-3D, esters with monoalkyl and dialkyl phosphates 39464-66-9 68822-04-8 68822-05-9
 RL: USES (Uses)
 (antistatic and softening agents containing quaternary ammonium compds. and, for textiles)

L41 ANSWER 40 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1975:126545 HCAPLUS Full-text
 DOCUMENT NUMBER: 82:126545
 ORIGINAL REFERENCE NO.: 82:20221a,20224a
 TITLE: Oiling composition for treating fiber
 INVENTOR(S): Matsueda, Kohichi
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd.
 SOURCE: Jpn. Tokkyo Koho, 4 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 49026112	B	19740705	JP 1970-119279	197012 28

PRIORITY APPLN. INFO.: <--
 JP 1970-119279
 197012
 28

<--
 AB A lubricant imparting antistatic properties to synthetic fibers comprises mineral oil or fatty acid ester and 3-25 weight % [RCO(NH(CH₂)mN+R₁R₂R₃)n Xn-], where R = C₇-21 alkyl or alkenyl, m = 2 or 3, R₁ = RCO(NH(CH₂)_m, CH₂CH₂OH, Me, or Et, R₂ and R₃ = Me, Et, or CH₂CH₂OH, n = 1 or 2, and Xn- = anion containing a C₁₂-22 alkyl or alkenyl group. The composition optionally contains a surfactant. For example, undrawn nylon-6 fibers were coated with a composition containing 75% refined mineral oil, 5% C₁₁H₂₃CONH(CH₂)₃N+Me₂CH₂CH₂OH (C₁₂H₂₅O)₂P(O)O- [54733-28-7], 7% Na dioctyl sulfosuccinate, and 13% C₁₂H₂₅O(CH₂CH₂OH)_xH, at 0.8% adhesion, and then drawn to give antistatic 70-denier, 24-filament yarn.

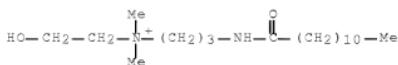
IT 54733-28-7
 RL: USES (Uses)
 (antistatic agents, nylon fibers lubricant containing)

RN 54733-28-7 HCAPLUS

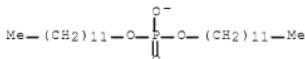
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[(1-oxododecyl)amino]-, didodecyl phosphate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 54733-27-6
 CMF C19 H41 N2 O2



CM 2

CRN 45300-74-1
CMF C24 H50 O4 P

IC D06M
 CC 39-8 (Textiles)
 ST lubricant nylon fiber; antistatic nylon fiber; oiling compn
 nylon fiber; ammonium antistatic agent; amide antistatic
 agent; nylon fiber lubricant antistatic
 IT Antistatic agents
 ([(acylamino)alkyl]ammonium compds., fiber lubricants containing)
 IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (antistatic agents, nylon fiber lubricants containing)
 IT Polyanimide fibers
 Synthetic fibers
 RL: USES (Uses)
 (lubricants for, containing [(acylamino)alkyl]ammonium antistatic
 agents)
 IT 54733-28-7
 RL: USES (Uses)
 (antistatic agents, nylon fibers lubricant
 containing)

L41 ANSWER 41 OF 41 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1972:436317 HCPLUS [Full-text](#)
 DOCUMENT NUMBER: 77:36317
 ORIGINAL REFERENCE NO.: 77:6033a,6036a
 TITLE: Carbamate antistatic agents
 INVENTOR(S): Eiseman, Fred S., Jr.
 PATENT ASSIGNEE(S): GAF Corp.
 SOURCE: U.S., 4 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
US 3658882	A	19720425	US 1970-38517	

PRIORITY APPLN. INFO.:

US 1970-38517

197005

18

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A

197005

18

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AB N-aminopropyl carbamates and their quaternary derivs., prepared by treating certain chlorocarbonates with certain substituted propylenediamines were used as antistatic agents for polypropylene (I) [9003-07-0] and nylon swatches and failles. Thus, N,N-dibutylaminoethylchlorocarbonate, prepared by the phosgenation of Bu₂NCH₂CH₂OH in dioxane, was treated with dimethylpropylenediamine in the presence of NaOH at pH 10-10.5 to give 79.5% N,N-dibutylaminoethyl-N-(3-dimethylaminopropyl)carbamate (II) [35141-39-0]. Quaternization of II with ethylene oxide and H₃PO₄ gave II-bis(ethylene oxide)adduct bis(dihydrogen phosphate)salt (III). Antistatic I and nylon swatches were prepared by treating the fabric with a 2.5% III in MeOH-CCl₄ mixture. Among the other carbamates prepared was dicyclohexylaminoethoxyethyl-N-(3-diethylaminopropyl)carbamate [35141-40-3].

IT 38479-27-5 38479-28-6 38479-30-0

RL: MOA (Modifier or additive use); USES (Uses)
(antistatic agents, for synthetic fibers)

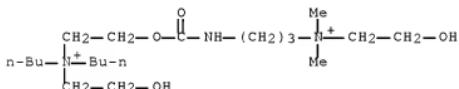
RN 38479-27-5 HCPLUS

CN 1-Butanaminium, N-butyl-N-(2-hydroxyethyl)-N-[2-[[[3-[(2-hydroxyethyl)dimethylammonio]propyl]amino]carbonyloxy]ethyl]-, phosphate (1:2) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 45295-25-8

CMF C20 H45 N3 O4



CM 2

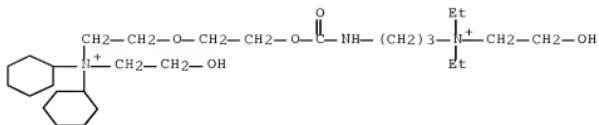
CRN 14066-20-7

CMF H2 O4 P



RN 38479-28-6 HCPLUS

CN 3,6-Dioxa-8-aza-12-azoniatetradecan-1-aminium, N,N-dicyclohexyl-12,12-diethyl-14-hydroxy-N-(2-hydroxyethyl)-7-oxo-, dichloride (9CI) (CA INDEX NAME)

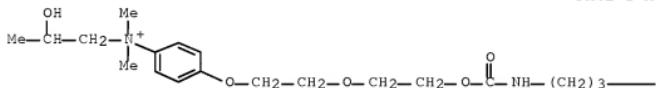


●2 Cl-

RN 38479-30-0 HCAPLUS

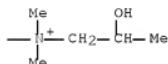
CN Benzenaminium, 4-[(14-hydroxy-12,12-dimethyl-7-oxo-3,6-dioxa-8-aza-12-azoniapentadec-1-yl)oxy]-N-(2-hydroxypropyl)-N,N-dimethyl-, dichloride (9CI) (CA INDEX NAME)

PAGE 1-A



●2 Cl-

PAGE 1-B



IC C07C125-06A

INCL 260482000C

CC 39-10 (Textiles)

ST Section cross-reference(s): 23, 24

IT carbamate antistatic agent; polypropylene textile
antistatic; nylon antistatic; quaternization aminopropylcarbamate

IT Acrylic fibers

Polyamide fibers

Polypropene fibers

RL: USES (Uses)

(antistatic agents for, aminopropyl carbamates as)

IT 35141-39-0 35141-40-3 38479-21-5 38479-28-6
38479-29-7 38479-30-0 38546-83-7

RL: MOA (Modifier or additive use); USES (Uses)
(antistatic agents, for synthetic fibers)

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